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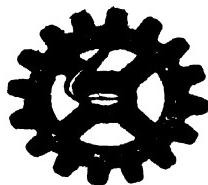


**NATIONAL REGISTER  
OF  
SCIENTIFIC AND TECHNICAL PERSONNEL  
IN INDIA**

**VOL. III—SCIENTISTS & TECHNOLOGISTS**

**PART II**

**MAY 1953**



**COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH  
NEW DELHI**



## GENERAL INTRODUCTION

### NATIONAL REGISTER OF SCIENTIFIC AND TECHNICAL PERSONNEL IN INDIA

The increasing recognition of the role of science in the promotion of national welfare, and the two wars which utilized in an abundant measure and in a spectacular manner a large variety of scientific talent and skill, have spotlighted the scientist who was hitherto content to work in comparative obscurity, and brought him into the public view. It is now realised that the application of science on the scale necessary for social and economic development demands large number of workers, and not only should all the trained personnel available be efficiently and effectively utilised, but talented young men and women should be sought out wherever they exist, and trained to undertake the many tasks awaiting attention.

It is the appreciation of this position that has led to a stock taking of scientific personnel in various countries all over the world as an essential pre-requisite for assessing qualitatively and quantitatively the available man-power resources in each country and for formulating plans of training the personnel required for research and development. Thus in the United Kingdom, the collection of data relating to numbers and qualifications of scientists and technologists was undertaken under the supervision of the Royal Society of London in 1939. In the following year, the compilation of a National Register of Scientists was undertaken in the United States of America. In India, the demand for taking stock of the man-power resources was voiced by the delegates attending the 1947 session of the Indian Science Congress (Delhi). In August 1947, the Government of India appointed the Scientific Man-power Committee with Dr. Shanti Swarup Bhatnagar as Chairman and included among the terms of reference to the Committee, "The maintenance of a register of scientific and technical personnel to facilitate their utilization to the best advantage". The work of compiling the register was later entrusted to the Council of Scientific and Industrial Research.

The National Register, which will be periodically revised and brought up-to-date, will provide a continuous census of the scientific man-power of the nation. It will be of assistance in : "(a) the effective utilization of scientific talent, (b) assessing the gaps in the growth of science and technology, (c) supplying service personnel to industry, (d) finding alternative personnel in the prosecution of team work, (e) provision of personnel for educational and research institutions, and (f) keeping check on the drift of technical personnel to administrative departments. For fulfilling these purposes, it is necessary that the Register should be complete and comprehensive.

Appeals have been frequently issued in the past, requesting the scientists and technicians of the nation to co-operate in the compilation of the Register. The Hon'ble Shri Jawaharlal Nehru recently said :

*The Government of India have at present under consideration the report of the Scientific Man-Power Committee appointed in April 1947, to advise on the best method of utilizing and augmenting the scientific man-power resources of the country. A basic recommendation of the Committee, which the Government have accepted, is that immediate steps should be taken to prepare a roster of scientific talent that is now available. The necessity of such a roster is obvious.....I appeal to all persons in India possessing degrees or diplomas in Science to send complete information about themselves such as age, permanent and present addresses, their scientific qualifications, research and industrial experience, their present occupations, the nature of the research work, if any, they are engaged upon, etc.*

So far, the response to the appeal has not been as satisfactory as it should have been. The efforts to collect the information, however, continue, and the Council have undertaken the responsibility of publishing the data as collected in a series of volumes. It is earnestly hoped that scientists and technicians would respond to the call of the Prime Minister and supply the needed information so that this national undertaking in which the Council is now engaged, may be completed satisfactorily and expeditiously.

Central Secretariat,  
North Block,  
New Delhi.

( S. S. Bhatnagar )  
Director, Scientific & Industrial Research.



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## INTRODUCTION

The present publication, Volume III—Scientists & Technologists, Part II is a sequel to the Register issued by the Council of Scientific & Industrial Research in April, 1952. It includes the names of the persons who have furnished their particulars for registration in the National Register of India after the issue of the Part I and up to May, 1953. Subsequent parts will be issued as information becomes available.

Publication of this preliminary evaluation is designed to serve the following purposes: (1) To provide data to assist the administration in proper control of manpower for national development programs ; (2) To provide data for statistical studies on scientific manpower ; (3) To provide data for use in an employment program for rightful placement purposes ; (4) To provide biographical data for use in directories such as *Men of Science* or *Who's Who in Science*. The staff of the National Register Branch of the Council of Scientific & Industrial Research will answer the questions which may come in, regarding the overall scientific manpower field. Further these summaries marshal the available data which will help the authorities to evolve their policies, plans and programs with respect to the nation's further requirements of trained personnel.

The Council have undertaken the responsibility of publishing the data about the manpower resources and it can meet this obligation successfully only with the whole hearted assistance and guidance of the scientific community itself. It is earnestly hoped that those who have not registered themselves yet, would do so early, so that the information becomes fully adequate for formulation of policies and programs relating to the scientific manpower.

I desire to express my deep gratitude to Dr. Shanti Swaroop Bhatnagar for giving me an opportunity to do this work. I wish to thank the staff for their co-operation in the work of compiling and arranging the information.

C. S. I. R.,  
Old Mill Road,  
New Delhi-2.

R. G. KHALSA.

## NOTE TO THE READER

1. Names are arranged alphabetically according to surnames, and under identical surnames according to first names. If both the surname and the first name are identical, names are arranged according to the second name.
2. The information given in the Register has been carefully abstracted from replies to the questionnaire furnished by the individuals themselves. The Council of Scientific and Industrial Research assumes no responsibility for the correctness of statements published.
3. The information holds good upto the date of the replies furnished by individuals.
4. Information relating to incomes and remuneration has been withheld at the request of a large majority of persons listed.
5. In arranging the information, the requirements of government departments, institutions, industry and other employers have been taken into consideration. The compilation provides information on the qualifications and careers of qualified personnel.
6. The names of technical personnel listed in this volume have been classified according to categories in which the persons consider themselves to be specialists. The same name may appear in more than one category if qualifications and experiences warrant multiple entries.
7. It is not claimed that names of all scientists and technologists are found in the Part I and II of this Volume and more names would appear in subsequent parts as and when the particulars become available.
8. The remarks given in the last column of the register indicate the nature of work an individual is engaged in at present and the type of organization he is working in. The symbols used for the purpose are :—R for research, T—teaching, TR—teaching and research, STA—scientific and technical administration, STO—scientific and technical occupation, S—scholar, F—fellow, I—industry, Ucl—unclassifiable, Un—Unemployed. G—government, SG—semi-government, NG—non-government, P—private.

## TABLE OF ABBREVIATIONS

<b>A.B.</b>	<b>Bachelor of Arts.</b>	<b>A.M.I.P.E.</b>	<b>Associate Member of the Institution of Production Engineers, London.</b>
<b>A.B.T.I.</b>	<b>Associate of the Bengal Textile Institute.</b>	<b>A.M.I.P.T.</b>	<b>Associate Member of the Institute of Plastic Technology, London.</b>
<b>A.C.G.I.</b>	<b>Associate of the City and Guilds of London Institute</b>	<b>A.M.I.S.I.</b>	<b>Associate Member of the Iron and Steel Institute, London.</b>
<b>A.F.Ae.S.I.</b>	<b>Associate Fellow of the Aeronautical Society of India.</b>	<b>A.R.C.S.</b>	<b>Associate of the Royal College of Science, London.</b>
<b>A.F.R.Ae.S.</b>	<b>Associate Fellow of the Royal Aeronautical Society of England.</b>	<b>A.R.I.C.</b>	<b>Associate of the Royal Institute of Chemistry.</b>
<b>A.G.M.S.</b>	<b>Associate of the Geological, Mining &amp; Metallurgical Society of India.</b>	<b>A.R.P.S.</b>	<b>Associate of the Royal Photographic Society of Gt. Britain.</b>
<b>A.H.</b>	<b>Animal Husbandry.</b>	<b>A.R.S.M.</b>	<b>Associate of the Royal School of Mines, London.</b>
<b>A.H.B.T.I.</b>	<b>Associate of the Harcourt Butler Technical Institute, Kanpur</b>	<b>A.R.T.C.</b>	<b>Associate of the Royal Technical College, Glasgow.</b>
<b>A.I.F.C.</b>	<b>Associate of the Indian Forest College.</b>	<b>Assoc. I.A.R.I.</b>	<b>Associate of the Indian Agricultural Research Institute.</b>
<b>A.I.I.Sc.</b>	<b>Associate of the Indian Institute of Science, Bangalore.</b>	<b>Assoc. I.D.R.I.</b>	<b>Associate of the Indian Dairy Research Institute, Bangalore.</b>
<b>A.I.I.S.T.</b>	<b>Associate of the Indian Institute of Sugar Technology, Kanpur.</b>	<b>Assoc. I.V.R.I.</b>	<b>Associate of the Indian Veterinary Research Institute, Izatnagar.</b>
<b>A.I.M.</b>	<b>Associate of the Institution of Metallurgists, London</b>	<b>A.T.I.</b>	<b>Associate of the Textile Institute, Manchester.</b>
<b>A.I.M.M.</b>	<b>Associate of the Institute of Mining &amp; Metallurgy, Gt. Britain.</b>	<b>B.A.</b>	<b>Bachelor of Arts.</b>
<b>A.Inst.F.</b>	<b>Associate of the Institute of Fuels, London.</b>	<b>B.Ag.</b>	<b>Bachelor of Agriculture.</b>
<b>A.Inst.P.</b>	<b>Associate of the Institute of Physics, London.</b>	<b>B.C.E.</b>	<b>Bachelor of Civil Engineering.</b>
<b>A.I.R.I.</b>	<b>Associate of the Institution of Rubber Industry.</b>	<b>B.Ed.</b>	<b>Bachelor of Education.</b>
<b>A.I.S.I.</b>	<b>Associate of the Iron &amp; Steel Industry, London.</b>	<b>B.L.</b>	<b>Bachelor of Laws.</b>
<b>A.I.S.M.</b>	<b>Associate of the Indian School of Mines, Dhanbad.</b>	<b>B.Met.</b>	<b>Bachelor of Metallurgy.</b>
<b>A.M.</b>	<b>Master of Arts.</b>	<b>B.Pharm.</b>	<b>Bachelor of Pharmacy.</b>
<b>A.M.O.T.</b>	<b>Associate Member of the College of Technology, Manchester.</b>	<b>B.Sc./B.S.</b>	<b>Bachelor of Science.</b>
<b>A.M.G.I.</b>	<b>Associate of Mining, Geological &amp; Metallurgical Institute of India.</b>	<b>B.T.</b>	<b>Bachelor of Teaching.</b>
<b>A.M.I.Ch.E.</b>	<b>Associate Member of the Institution of Chemical Engineers, London.</b>	<b>B.V.Sc.</b>	<b>Bachelor of Veterinary Science.</b>
<b>A.M.I.E.</b>	<b>Associate Member of the Institution of Engineers, India.</b>	<b>C.D.A.</b>	<b>College Diploma in Agriculture.</b>
<b>A.M.I.E.T.</b>	<b>Associate Member of the Institute of Engineering Technology, London.</b>	<b>C.V.D.</b>	<b>Civil Veterinary Department.</b>
<b>A.M.I.I.Ch.E.</b>	<b>Associate Member of the Indian Institute of Chemical Engineers.</b>	<b>D.B.</b>	<b>Bachelor of Didactics.</b>
<b>A.M.Inst.F.</b>	<b>Associate Member of the Institute of Fuels, London.</b>	<b>D.D.R.</b>	<b>Dehra Dun Rangers Diploma.</b>
		<b>D.I.C.</b>	<b>Diploma of the Imperial College of Science &amp; Technology, London.</b>
		<b>D.I.H.</b>	<b>Diploma in Indian Horticulture.</b>
		<b>D.I.I.Sc.</b>	<b>Diploma of Indian Institute of Science, Bangalore.</b>
		<b>Dip I.F.S.</b>	<b>Diploma, Indian Forest Service Course.</b>

Dip. P.F.S. .	. Diploma, Provincial Forest Service Course.	F.I.M. .	. Fellow, Institution of Metallurgists, London.
Dip.R.T.C. .	. Diploma of the Royal Technical College, Glasgow.	F.Inst.P. .	. Fellow of the Institute of Physics, London.
D.Phil. .	. Doctor of Philosophy in Science.	F.L.S. .	. Fellow of the Linnaean Society, London.
D.R.I.P. .	. Diploma in Radioisotope Procedure, U.S.A.	F.N.A.Sc. .	. Fellow of the National Academy of Sciences of India.
D.R.Sc. .	. Post-graduate Diploma in Rural Science.	F.N.I. .	. Fellow of the National Institute of Sciences, India.
D.Sc. .	. Doctor of Science.	F.P.S. .	. Fellow of the Physical Society, London.
D.T.M. .	. Diploma in Textile Manufacture.	F.R.A.S. .	. Fellow of the Royal Astronomical Society, London.
D.T.V.M. .	. Diploma in Tropical Veterinary Medicine.	F.R.C.V.S. .	. Fellow of Royal College of Veterinary Surgeons.
D.V.H. .	. Diploma in Veterinary Hygiene.	F.R.G.S. .	. Fellow of the Royal Geographical Society, London.
D.V.M. .	. Doctorate in Veterinary Medicine.	F.R.H.S. .	. Fellow, Royal Horticultural Society, London.
D.V.S.M. .	. Diploma in Veterinary State Medicine.	F.R.I.C. .	. Fellow of the Royal Institute of Chemistry, London.
F.A.A.A.S. .	. Fellow of the American Association for the Advancement of Science.	F.R.Met.Soc. .	. Fellow of the Royal Meteorological Society, London.
F.A.S. .	. Fellow of the Asiatic Society.	F.R.M.S. .	. Fellow of the Royal Microscopical Society of London.
F.A.Sc. .	. Fellow of the Indian Academy of Sciences.	F.Roy.Anth I. .	. Fellow of the Royal Anthropological Institute, (Gt. Britain & Ireland)
F.B.S. .	. Fellow of the Botanical Society, India.	F.Roy. Ent.Soc. .	. Fellow of the Royal Entomological Society, London.
F.C.S. .	. Fellow of the Chemical Society, London.	F.R.P.S. .	. Fellow of the Royal Photographic Society of Gt. Britain.
F.Ent.Soo.I. .	. Fellow of the Entomological Society of India.	F.R.S. .	. Fellow of the Royal Society of London.
F.G.M.S. .	. Fellow of the Geological, Mining and Metallurgical Society of India.	F.R.S.A. .	. Fellow of the Royal Society of Arts.
F.G.S. .	. Fellow of the Geological Society.	F.R.S.E. .	. Fellow of the Royal Society of Edinburgh.
F.G.S.A. .	. Fellow of the Geological Society of America.	F.R.S.S. .	. Fellow of the Royal Statistical Society, London.
F.H.B.T.I. .	. Fellow of the Harcourt Butler Technical Institute, Kenpur.	F.R.S.T.M. & H. .	. Fellow of the Royal Society of Tropical Medicine & Hygiene, London.
F.Hel.Soo. .	. Fellow of the Helminthological Society.	F.S.C.I. .	. Fellow of the Society of Chemical Industry, London
F.I.C. .	. Fellow of the Institute of Chemists, India.	F.Z.S. .	. Fellow of the Zoological Society, London.
F.I.C.S. .	. Fellow of the Indian Chemical Society.	F.Z.S.I. .	; Fellow of the Zoological Society of India.
F.I.Eco.Soc. .	. Fellow of the Indian Ecological Society.	G.B V.O. .	. Graduate Bombay Veterinary College. Graduate Bengal Veterinary College. Graduate Bihar Veterinary College.
F.I.Ent.Soc. .	. Fellow of the Indian Entomological Society.		
F.I.I.Sc. .	. Fellow of the Indian Institute of Science, Bangalore.		
F.I.I.S.T. .	. Fellow of the Indian Institute of Sugar Technology, Kanpur.		

G.M.V.C.	Graduate Madras Veterinary College.	M.G.M.S.	Member of Geological, Mining & Metallurgical Society of India.
G.P.V.C.	Graduate Punjab Veterinary College.	M.I.Chem.E.	Member of the Institute of Chemical Engineers.
Grad.Brit.I.R.E.	Graduate of the British Institute of Radio Engineers, London	M.I.E	Member of the Institution of Engineers, India.
Grad.I.E.E.	Graduate of the Institution of Electrical Engineers, London.	M.I.I.Chem.E.	Member of the Indian Institute of Chemical Engineers.
Grad.M.I.Ch.E.	Graduate Member of the Institution of Chemical Engineers, London.	M.I.M.	Member, Institute of Metals, London.
Grad.M.I.P.E.	Graduate Member of the Institution of Production Engineers, London.	M.I.M.M.	Member of the Institute of Mining & Metallurgy, Gt. Britain.
Grad.M.I.W.	Graduate Member of the Institute of Welding, London	M.I.R.E.	Member of the Institution of Radio Engineers.
G.V.Sc.	Graduate in Veterinary Science.	M.I.S.I	Member of the Iron & Steel Institute, London.
I.D.D.	Indian Dairy Diploma	M.M.G.I.	Member of the Mining, Geological & Metallurgical Institute of India.
I.F.R.C.	Indian Forest Ranger College, Dehra Dun.	M.Met.E.	Master of Metallurgical Engineering
I.F.S.	Indian Forest Service.	M.P.H.	Master of Public Health.
L.Ag.	Licentiate in Agriculture.	M.Pharm.	Master of Pharmacy.
L.I.M.	Licentiate of Institution of Metallurgists, London.	M.P.S.	Member of the Pharmaceutical Society, London.
LL.B.	Bachelor of Laws.	M.R.C.V.S.	Member of the Royal College of Veterinary Surgeons.
L.T.	Licentiate in Teaching.	M.R.M.S.	Member of the Royal Microscopical Society, London.
L.T.C.	Licentiate in Technical Chemistry	M.S.A.	Master of Scientific Agriculture.
L.T.M.	Licentiate in Textile Manufacture	M.Sc./M.S.	Master of Science.
L.V.P.	Licensed Veterinary Practitioner.	M.S.E.	Master of Science in Engineering.
M.A.	Master of Arts.	N.D.D.	National Diploma in Dairying.
M.Ag.	Master of Agriculture.	N.L.	Nobel Laureate.
M.Am.I Ch E	Member of the American Institute of Chemical Engineers.	P.G.	Post-Graduate.
M.B.	Bachelor of Medicine.	Ph.C.	Pharmaceutical Chemist.
M.B.B.S.	Bachelor of Medicine and Bachelor of Surgery.	Ph.D.	Doctor of Philosophy in Science.
M.Ch.E.	Master of Chemical Engineering.	Sc.D.	Doctor of Science.
M.E.	Master of Engineering.		
M.Ed.	Master of Education.		



# MATHEMATICS & STATISTICS

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4692	Abdurahiman, P.V.	1921	M.A. Math. (Madras —'42) B.T. (Madras—'45) Ph.D. Appl. Math. (Manchester—'49)	7 years of teaching work, published papers in aerodynamics.	Pres.—Govt. College of Technology, P.O. R.S. Puram, Coimbatore. Perm.— Thalai, Tellicherry, N. Malabar.	Lecturer in Math.	T-G.
4693	Abrashan, Thachil Porinchu.	1922	M.A. Math. (Madras —'44)	Design and interpretation of field experiments in rice.	Pres.—Central Rice Research Institute, Cuttack 4. Perm.— Thachil House, North Kuthiathodu, P.O. Putthenvaliuva, Travancore-Cochin.	Statistician.	STO-G.
4694	Agarwal, Jyoti Prasad.	1907	M.A. Math. (Agra —'31)	Teaching mathematics for the last 22 years up to M.Sc. classes; specialization in theory of functions of real and complex variables and hydrodynamics.	Pres.— Agra College, Agra. Perm.— 103, Swadeshi Bima Colony, Agra.	Lecturer in Math.	T-SG.
4695	Agarwal, Krishna Chandra.	1928	B.Sc. (Agra—'48) M.Sc. spcl. Statistics. (Agra—'50)	...	Pres.— C/o Shri Bhagwati Prasad, 3711, Charkhewal, Delhi. Perm.—C/o Shri Anand Sarup Agrawal, Mukhtar, Mohalla Chontala, Saharanpur.	...	Un.
4696	Aggarwal, Kishan, Ram	1924	B.A. Hons. (Delhi —'44) M.A. Math. (Delhi —'46)	Since 1946 engaged in teaching profession.	Pres.—Delhi Polytechnic, Delhi. Perm.—184-C, Timarpur, Civil Lines, Delhi 8.	Lecturer in Math.	T-G.
4697	Aiyar, Anantha-krishna Anantha-ram.	1926	B.Sc. Hons. (Bombay —'45) M.Sc. Appl. Math. (Bombay—'49)	Teaching of physics and applied mathematics.	Pres.—Elphinstone College, Bombay. Perm.—3, Prabha Sadan, Plot 109, Hindu Colony Road 4, Dadar, Bombay 14.	Asstt. Lecturer in Math.	T-G.
4698	Antony, K.A.	1922	M.A. Math. (Madras —'45)	Since 1945 teaching mathematics.	Pres.—St. Thomas College, Trichur. Perm.— Kundukulam House, Parappur, Trichur.	Lecturer in Math.	T-N.G.
4699	Apte, Keshav Maha-deo.	1929	B.Sc. Hons. (Bombay —'50) M.Sc. Statistics. (Bombay—'52)	...	Pres.— 75/A, Palan Sajpal Building, P. Church Street, Dadar, Bombay 28. Perm.— Do.	...	Un.
4700	Ayyar, Subramania N.P.	1909	B.A. Hons. (Madras —'25) M.A. Math. (Madras —'27)	28 years educational service.	Pres.— Govt. College, Chittur, Cochin. Perm.— Chittur Road, Ernakulam.	Professor of Math.	T-G.

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4701	Babu, R.K.	1925	M.A. Math. (Madras —'46)	5½ years teaching work in mathematics to intermediate and degree classes.	Pres.—Govt. Arts College, Madras 2. Perm.—O/o Mr. R.K. Gwindarajulu, Dy. Transport Officer, Govt. Bus Service, Mount Road, Madras 2.	Asstt. Lecturer in Math.	T-G.
4702	Balasubramanian, T.S.	1925	B.Sc. (Banaras—'45) M.Sc. Math. (Banaras —'47)	Problems of relativistic.	Pres.— B 13/182, Kannappaswamy Mutt, Kedar Ghat, Banaras. Perm.— Do.	...	Un.
4703	Bandyopadhyay, Sisir Kumar.	1907	B.Sc. (Calcutta—'31) M.Sc. (Calcutta—'34)	Mathematical statistics.	Pres.— Indian Health Institute & Laboratory Ltd., Dum Dum Cantonment, Calcutta. Perm.— 49, Lansdowne Road, Calcutta.	Assistant.	STO-NG.
4704	Banerji, Sushil Kumar.	1919	B.A. Hons. (Calcutta —'40) M.A. Appl. Math. (Calcutta—'42)	Working on collection & analysis of data relating to marine fisheries and analysis of biometrical data regarding marine fish; published statistical papers.	Pres.— Central Marine Fisheries Research Station, P.O. Mandapam Camp, (S.I.) Perm.— 82/1, Rajballav Saha Lane, Howrah.	Asstt. Research Officer. (Statistics)	STO-G.
4705	Banwari Lal.	1915	B.Sc. (Agra—'35) M.A. Math. (Agra —'37) M.A. spl. Statistics. (Agra—'49)	14 years teaching work, published text books for intermediate students in mathematics.	Pres.— Meerut College, Meerut. Perm.—1, Gandhi Nagar, Meerut.	Asstt. Prof. of Math.	T-NG.
4706	Bareja, Chand.	1927	B.A. Hons. B.A. Math. (Punjab) M.A. Math. (Punjab)	...	Pres.— Dayal Singh College, Karnal. Perm.—O/o Sb. Chunilal Bareja, Radio Lamp Works Ltd., 16/34, The Mall, Kanpur.	Lecturer in Math.	T-NG.
4707	Basak, Kiron Chandra.	1906	B.A. Math. Tripos. (Cambridge—'28)	Doing researches and investigations on all statistical, economic marketing and transport problems relating to jute and jute industry, published several papers on these subjects.	Pres.— Indian Central Jute Committee, 4, Hastings Street, Calcutta. Perm.— 18, Ballygunj Place, Calcutta 19.	Director of Economic Research.	R-SG. STA-SG.
4708	Basandra, Mohindar Lal.	1931	M.A. Math. (Punjab —'52)	...	Pres.— O/o Dr. Bansi Lal Basandra, I/c Civil Hospital, Dina Nagar, Distt. Gurdaspur. Perm.— Do.	...	Un.
4709	Basu, Amarendra.	1928	B.Sc. Hons. (Calcutta —'49) M.Sc. spl. Statistics. (Calcutta—'45)	8 years work in social statistics.	Pres.— Labour Bureau, Kemmedy House, Simla. Perm.— 52/E, Beninanda Street, Calcutta 25	Research Officer, (Statistics)	STO-G.
4710	Basu, Bibhuti Bhawan.	1902	B.Sc. (Calcutta—'26) M.Sc. Appl. Math. (Calcutta—'31)	20 years teaching work.	Pres.— Jhargram Agricultural College, Jhargram. Perm.— Do.	Lecturer in Math.	T-G.

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4711	Basu, Debraj.	1924	B.A. Hons. Math. (Dacca—'45) M.A. Math. (Dacca—'46)	Carrying on research on mathematical statistics and also teaching the subject.	Pres.—Indian Statistical Institute, Calcutta. Perm.— 74/1, Harrison Road, Calcutta 9.	Research Fellow (N.I.S.) and Lecturer.	R.F. T-NG.
4712	Behl, Baldev Krishan.	...	B.A. (Punjab—'47) M.A. Math. (Punjab—'51)	...	Pres.—Khera Mohalla, Rupar, Ambala. Perm.— Do.	...	Un.
4713	Bhaduri, Satyendra Nath.	1927	M.Sc. Appl. Math. (Nagpur—'47) P.G. Certificate in Statistics. (Calcutta—'50)	Application of statistical methods to textile processes.	Pres.—'ATIRA', Navrangpura, Ahmedabad. Perm.—C/o M. Bhaduri, Advocate, Raipur.	Sr. Scientific Assistant.	STO-I.
4714	Bhanot, Indira Vatsava. (Mrs.)	1919	B.A. (Bombay—'40) M.A. Math. (Bombay—'42) B.T. (Bombay—'44) M.Sc. Statistics. (London—'49)	Since 1949 teaching statistics.	Pres.—The M.S. University of Baroda, Baroda. Perm.— Shiva Sadan, Pratap Ganj, Baroda.	Reader in Statistics.	T-SG.
4715	Bhargava, Rajeshwar Dayal.	1924	B.A. Hons. (Delhi—'45) M.A. Math. (Delhi—'47)	...	Pres.— Maharaja P.C. College, P.O. Baripada, Orissa. Perm.—C/o Dr. Lachman Swaroop Bhargava, Nayapura, Kotah.	Lecturer in Math.	TR-G.
4716	Bhatnagar, P.L.	1912	M.Sc. (Agra—'36) D.Phil. (Allahabad—'40) D.Sc. (Allahabad—'47) F.N.I. (India)	Since 1940 teaching mathematics, published research papers on convergence & summability problems of fourier & allied series, astrophysics, astronomy and gas dynamics.	Pres.— St. Stephen's College, Delhi. Perm.— Varna Para, Kotah, Rajasthan.	Reader in Math.	TR-SG.
4717	Bhatt, Raj Krishna.	1904	Dip. in E/M Engg. (Banaras—'27) Final Exam. in Eleo Engg. (C. & G.—'27) B.Sc. (Banaras—'39) M.A. Math. (Banaras—'35) A.M.I.E. (India)	13 years teaching work in mathematics to engineering classes.	Pres.— Engineering College, Banaras Hindu University, Banaras. Perm.— K25/90, Sootola, Banaras.	Asst. Professor of Math.	T-SG.
4718	Bhattacharjee, Parash Chandra.	1916	B.Sc. (Calcutta—'39) M.Sc. Math. (Calcutta—'42)	Working on physical testing, statistical quality control and making geographical chart of progress of planning.	Pres.— 3, East Sinthee Road, P.O. Ghugudanga, Dum Dum, Calcutta 30 Perm.— 11, Sarkar Bye Lane, Calcutta 7.	Supervisor.	STO-
4719	Bhattacharya, Girijapati.	1893	M.Sc. Math. (Calcutta—'17) F.I.C.S. F.I.C. (India) F.B.S. (India)	Manufacture of soaps, perfumery and scientific instruments.	Pres.— Adair, Dutt & Co. (India) Ltd., 5, Dalhousie Square, Calcutta. Perm.— 17/1, Ekdalia Road, Ballygunge, Calcutta 19.	Managing Director.	STO-I.

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4720	Bhattacharyya, Sushil Kumar.	1910	B.Sc. Hons. (Calcutta —'31) M.Sc. Appl. Math. (Calcutta—'34)	Since 1941 engaged in teaching mathematics.	Pres.— M.B.B. College, Agartala, Tripura. Perm.— Do.	Professor of Math.	T-NG
4721	Bhonsle, Balramji Rao.	1923	B.Sc (Nagpur—'43) M.Sc. Math. (Nagpur —'45)	9 years teaching work.	Pres.—College of Science, Raipur. Perm.— C/o Mrs. K. Ghatge, Budhapara, Raipur.	Lecturer in Math.	T-SG,
4722	Biswas, Samarendra Nath.	1926	M.Sc. Math. (Calcutta —'48)	Published research papers on quantum field theory.	Pres.—Krishnagar Col- lege, Krishnagar, Nadia. Perm.—2, Colonel Biswas Road, Calcutta 19.	Lecturer in Math.	T.
4723	Bose, Birendra Nath.	1918	B.Sc. Hons. (Dacca —'39) M.Sc. Math. (Dacca —'40)	Since 1942 engaged in teaching mathematics and doing research work; published papers mainly on bessel & allied functions and operational calculus.	Pres.—Central Calcutta College, 8, Wellesly St., Calcutta. Perm.— Do.	Asstt. Professor & Head of the Dept. of Math.	TR-NG
4724	Bose, Jibananda.	1916	B.Sc. Hons. (Calcutta —'35) M.Sc. (Calcutta—'37) Special courses on electrical instru- ments & measure- ments. (U.K.)	Precision scientific ins- truments (aeronautical, meteorological, indus- trial & laboratory type) for measuring pressure, humidity, temperature, amperes, volts, etc.	Pres.—National Instru- ment Factory, 15, Wood Street, Calcutta 16. Perm.—18A, Col. Biswas Road, Calcutta 19.	Chargeman.	R-G.
4725	Bose, Salil Ranjan.	1915	B.Sc. Hons. (Patna —'34) M.Sc. Math. (Patna —'37)	Conversant with technolo- gy of salt manufac- ture & byproducts, standardization & con- trol of quality, etc. and check of weightage tubes, scales & other fitting apparatus.	Pres.—Govt. Salt Golas, Howrah. Perm.—11, Central Ave- nue, Calcutta.	Supdt. of Salt.	STO-G.
4726	Brij Basu Lal.	1915	M.Sc. Math. (Allaha- bad—'41) D.Phil. (Allahabad —'43)	Since 1944 teaching mathematics, published research papers on astro- physics, galactic dyna- mics and text books on algebra & trigonometry.	Pres.— B.R. College, Agra. Perm.— Vill. Mad Kooli, P.O. Gunnour, District Budaun.	Sr. Professor of Math.	T-NG.
4727	Chaki, Manindra Chandra.	1918	M.A. Math. (Calcutta —'36) F.R.A.S. (London)	Published papers on ten- sor analysis & Riemannian geometry and text books.	Pres.—Savoy Hotel, 27, Sasibhusan De Street, Calcutta 12. Perm.—P.O. Jhargram, Distt. Midnapur.	Lecturer in Math.	T-SG.
4728	Chakrabarti, Mukunda Chandra.	1915	M.Sc. Math. (Dacca —'37)	Since 1937 teaching mathematics, published papers.	Pres.—Morparia Cottage, 150, Ghodbunder Road, Andheri, Bombay. Perm.— Do.	Reader & Head of the Univer- sity Dept. of Statistics.	TR-SG.

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4729	Chakraborti, Rajendra Narayan.	1907	B.Sc. Hons. (Calcutta—'28) M.Sc. Math. (Dacca—'31) B.T. (Dacca—'38)	Over 20 years teaching experience.	Pres.— Barasat Govt. Intermediate College, Barasat, 24-Parganas. Perm.— 5, Mussalmanpara Lane, Shobpore, P.O. Santragachhi, Howrah.	Lecturer in Math.	T-G.
4730	Chakrabortty, Naresh Chandra.	1906	M.Sc. Math. (Calcutta—'31)	...	Pres.— Santopur, Calcutta 32. Perm.— Do.	Lecturer in Math.	T.
4731	Chakravarthy, Laxmi Narasimha.	1924	B.Sc. Hons. (Mysore—'46) M.Sc. Statistics. (Mysore—'47)	5 years in teaching mathematics.	Pres.— Intermediate College, Mandyā. Perm.— 406, Veene Shamanna Street, Old Agrahar, Mysore.	Lecturer & Head of the Dept. of Math.	T-SG.
4732	Chakravarti, Indra Mohan.	1928	B.Sc. Hons. (Calcutta—'48) M.Sc. spl. Statistics. (Calcutta—'50)	Doing research work in statistics.	Pres.— Indian Statistical Institute, Calcutta. Perm.— 17/1, Ramkrishna Acharyya Lane, Salkia, Howrah.	Technician.	R-NG.
4733	Chakravarti, Nirmal Kumar.	1921	B.A. Hons. (Calcutta—'41) M.A. Statistics. (Calcutta—'48)	Economic statistics and operational research.	Pres.— Calcutta University, Calcutta. Perm.— 13/5, Swinhoe Street, Calcutta 19.	Lecturer.	T-SG.
4734	Chakravarty, Jagannath.	1924	B.A. (Patna—'45) M.A. Math. (Patna—'47) B.L. (Patna—'48)	...	Pres.— St Xaviers College, Ranchi. Perm.— Circular Road, Ranchi, Bihar.	Prof. of Math.	T-NG.
4735	Chakravarty, Nalini-kanta.	1922	B.Sc. (Calcutta—'42) M.Sc. Math. (Calcutta—'44)	8 years teaching work, published papers on special functions in mathematical physics and operational calculus.	Pres.— Krishnagar College, P.O. Krishnagar, Distt. Nadia. Perm.— Ashabari Hospital Buildings, New Road, P.O. Krishnagar, Distt. Nadia.	Asstt Prof. of Math.	T-NG.
4736	Chanda, Kamal Chandra.	1929	B.Sc. Hons. (Calcutta—'48) M.Sc. spl. Statistics. (Calcutta—'50)	...	Pres.— Indian Statistical Institute, Calcutta. Perm.— C/o Sri Binod Chanda, Lecturer, College of Engineering and Technology, Jadavpur, Calcutta 32.	Jr. Technician.	R-NG.
4737	Chandel, Shri Ram Singh.	1922	B.Sc. (Agra—'40) M.Sc. Math. (Agra—'42)	Teaching work for 9 years.	Pres.— 18/37, Parmat, Kanpur. Perm.— Do.	Lecturer in Math.	T.
4738	Chandi, Panavelil Thomas.	1907	B.A. Hons. (Madras—'28) M.Sc. Appl. Math. (London—'35)	Since 1928 engaged in teaching mathematics, specialization in astronomy and advanced dynamics.	Pres.— St. Andrew's College, Gorakhpur, U.P. Perm.— Do.	Principal & Professor of Math.	T-NG.

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4739	Chandrasekhar, Tirumkuldu Rama Rao.	1928	B.Sc. (Mysore—'48) M.A. Math. (Delhi —'50)	Analysis of statistical data.	Pres.—ATIRA, Ahmeda- bad 9. Perm.—C/o T. Ramarao, Retd. Supdg. Engineer, Chamrajpuram, Mysore.	Sr. Technician.	STO-NG.
4740	Chandratreya, M.L.	1893	M.A. Appl. Math. (Bombay—'26)	Teaching of mathematics for 85 years to all classes inclusive post- graduate and guiding research to Ph.D. students in applied mathematics, published several papers mainly on theory of numbers.	Pres.—New Engineering College, Vishrambag, Sangli, Bombay. Perm.—Potnis Bungalow, Apte Road, Poona 4.	Prof. of Math.	TR-G.
4741	Chandravanshi, Lallu Singh.	1920	M.A. spl. Harmonics & Statistics. (Agra —'46)	7 years teaching work to graduate & post- graduate classes.	Pres.— Holkar College, Indore. Perm.—35, Suraj Com- pound, Sanyogita Ganj, Indore.	Sr. Lecturer in Math.	T-G.
4742	Chandy, John.	1930	B.A. (Madras—'49) M.Sc. Statistics. (Travancore—'52)	...	Pres.— Statistical Labo- ratory, Central Research Institute, Trivan- drum. Perm.— Theekethayil House, P.O. Maramon, T.C. State.	...	Appr.
4743	Chatterjee, Nihar Kumar.	1905	B.Sc. Hons. (Calcutta —'26) M.Sc. Appl. Math. (Calcutta—'29)	Published papers on relativity, cosmology and astrophysics.	Pres.—Birla Engineering College, Pilani. Perm.— Sewai College Street, Serampore, Distt. Hooghly.	Prof. & Head of the Math. Dept.	T-NG.
4744	Chatterjee, Phatik Chand.	1922	M.Sc. Math. (Calcutta —'47)	...	Pres.—Hooghly Mohsin College, Calcutta. Perm.—4, Kailash Bose, 1st Bye Lane, Howrah.	Lecturer in Math.	T-NG.
4745	Chiney, Shantaram Sadashiv.	1912	B.Sc. (Agra—'32) P.G. training in Agri. Statistics. (I.C.A.R. —'50) Dip. in Statistics. (Calcutta—'52)	Statistical analysis of agricultural experi- ments, published papers.	Pres.— Agricultural Research Institute, Department of Agri- culture, Nagpur. Perm.— Do.	Asstt. Statis- tician.	STO-G.
4746	Choudhry, Nihal Singh.	1926	B.Sc. (Agra—'48) M.Sc. Math. (Agra —'45)	Agricultural statistics including large scale sample surveys.	Pres.—Agriculture Dept., Rajasthan State, Jaipur. Perm.— Khatiwara, Jaipur.	Statistician.	STO-G.
4747	Choudhury, Amal- chandra.	1909	M.Sc. Math. (Calcutta —'32) D.Phil. Math. (Cal- cutta)	Lecturing to post- graduate classes in mathematics since 1938; published many papers.	Pres.— Dept. of Pure Mathematics, Calcutta University, Calcutta. Perm.— Masterpara, P.O. Konnagar, District Hooghly.	Lecturer.	T-SG.

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4748	Choudhury, Pada.	1911	M.A. Math. (Calcutta —'37) M.A. Statistics. (Cal- cutta—'44) M.A. Economics. (Calcutta — '46)	6 years work in teaching statistics to postgraduate classes and 7 years in collection, analysis & interpretation of statis- tical data.	Pres.— Delhi School of Economics, University of Delhi, Delhi 9. Perm.— Indian Statistical Institute, 204, B.T. Road, Calcutta 35.	St. Statistician.	T-SG.
4749	Chowla, Krishen Lall.	1929	B.A. (Punjab—'49) M.A. spl. Statistics. (Punjab—'51)	...	Pres.— C/o Shri Bodhraj, House No. XI/3904, Near Jagat Talkies, Delhi. Perm.—168, Chashar Bagh, Jullundur City.	...	Un.
4750	Chugh, Har Krishan Lal.	1930	B.Sc. (Agra—'50) M.Sc. spl. Astronomy & Statistics. (Agra —'53)	Working on designing of experiments and ana- lysis of statistical data.	Pres.—Statistical Labora- tory, Kanpur. Perm.— 68/20, Gobind Nagar, Kanpur.	Jr. Scientific Assistant.	STO-NG.
4751	Das, Amiya Kumar.	1927	B.Sc. Hons. (Calcutta —'47) M.Sc. Appl. Math. (Calcutta—'49)	...	Pres.—Dum Dum Moti- jheel College, Calcutta 28. Perm.— 52, Prabartak Palli, Deshpriya Nagar, P.O. Belgharia, Distt. 24 Parganas.	Demonstrator in Physics.	T-NG.
4752	Das, Anukul Chandra.	1924	B.Sc. Hons. (Calcutta —'44) M.Sc. Statistics. (Cal- cutta—'46)	Teaching in postgraduate departments.	Pres.—Indian Statistical Institute, Calcutta. Perm.— 3/B, Gobinda Mandal Lane, Calcutta.	Asstt. Prof.	T-NG.
4753	Das, Bankim Chandra.	1895	B.A. Hons. Math. (Calcutta—'17) M.A. Math. (Calcutta —'19)	Teaching of mathematics for the last 80 years, published text books on trigonometry and com- mercial arithmetic.	Pres.— Surendranath College, Calcutta. Perm.— P.O. Indas, Distt. Bankura, West Bengal.	Lecturer in Math.	T-NG.
4754	Das, Birendra Nath.	1909	M.A. Math. (Calcutta —'36) M.A. Appl. Math. (Bombay—'45)	Working in the field of hydrodynamics besides teaching.	Pres.—Surendra Nath College, 24, Harrison Road, Calcutta. Perm.— Do.	Prof. of Math.	TR-NG.
4755	Das, Gouri Bhushan.	1918	M.A. Math. (Calcutta —'39) Course in Photogram- metry & Surveying. (London—'49) A.R.I.C.S. (London —'49)	Since 1942 engaged in the work of surveying and photogrammetry.	Pres.—No. 15 (Training) Party, Survey of India, Dehra Dun. Perm.—C/o Prof. Asutosh Das, Nandipara, P.O. Indas, Distt. Bankura.	Officer Sur- veyor.	Sur- veyor.
4756	Das, Probir Kumar.	1925	B.Sc. (Calcutta—'47) M.Sc. Statistics. (Cal- cutta—'49)	...	Pres.— Statistical Labo- ratory, Malma, P.O. Giridih, Distt. Hazaribagh. Perm — C/o Shri I.B. Rakshit, 58, S.R. Das Road, Calcutta 26.	Statistical Officer.	R-NG.
4757	Das, Santi Bhushan.	1929	B.Sc. (Calcutta—'49) M.Sc. Math. (Calcutta —'51)	...	Pres.— 1/1, Arabinda Nagar, Jadavpur, Cal- cutta 32. Perm.— Do.	...	Un.

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4758	Das, Surendranath.	1896	B.Sc. Hons. (Calcutta —'17) M.Sc. Appl. Math. (Calcutta —'19)	Theoretical and practical astronomy.	Pres.— Dum Dum Motijheel College, Calcutta. Perm.—14, Narendra Sen Square, Calcutta 9.	Prof. of Math. & Vice-principal.	T-NG.
4759	Dasgupta, Amiya Kumar.	1913	M.Sc. Math. (Calcutta —'35)	Technical (statistical) control over machine tabulations.	Pres.— 29/29, Gariahat Road, Calcutta 19. Perm.—Congress Nagar, Nagpur.	...	STO-
4760	Dash, Kiran. Phullendu	1914	B.Sc. Hons. (Dacca —'35) M.Sc. Math. (Dacca —'36)	Imparting training to railway staff in commercial, transportation and railway statistics.	Pres.— Traffic Training School, North-Eastern Railway, Gauhati, Assam. Perm.— Do.	Supdt.	T-G.
4761	Datar, Bhagwant Nageshrao.	1912	B.Sc. (Bombay—'33) M.Sc. Appl. Math. (Bombay—'36) M.Sc. Statistics. (London—'39)	Compilation of cost of living indices, conduction of socio-economic enquiries in labour areas and plans for labour & employment.	Pres.— Planning Commission, New Delhi. Perm.—F69, Lokmanya Society, Mohim, Bombay.	Asstt. Chief of Division.	R-G. Scientific editing & publication.
4762	Datta, Basanta Kumar.	1895	B.Sc. (Calcutta—'16) M.Sc. Math. (Calcutta —'18)	From 1920 to 50 worked on inspection of metals and installation of electro-deposition plants in ordnance factories.	Pres.—Monoharpur, P.O. Dankuni, District Hooghly. Perm.— Do.	...	Un.
4763	David, Austin Mansoor Masih.	1910	B.Sc. (1931) M.S. Math. (Agra —'35)	Teaching of mathematics and educational training.	Pres.—HQ 21, Comn. Z, 56 APO, New Delhi. Perm.— David Villa, Civil Lines, Ajmer.	SO-2 (Edn.)	T-G.
4764	Deoras, Dilip Ramchandra.	1921	B.Sc. Hons. (Nagpur —'43) M.Sc. Math. (Nagpur —'43) Training in Statistics. (I.A.R.I.—'44)	8 years work in statistics as applied to industry and labour.	Pres.—Gorepath, Nagpur. Perm.— Do.	Labour Officer.	STO-G.
4765	Deshpande, Vasant Tulsidas.	1924	M.Sc. Math. (Nagpur —'47)	5 years teaching work.	Pres.— Vidarbha Maha Vidyalaya, Amravati. Perm.— C/o Sri T.N. Deshpande, Opp. Old Post Office, Khare Town, Nagpur.	Lecturer.	T-NG.
4766	Dhar, Keshab Chandra.	1927	B.Sc. Hons. (Calcutta —'47) M.Sc. Statistics. (Calcutta —'49)	Inspection work in sample survey and small scale industry.	Pres.—Santoshpur Camp, Garden Reach, Calcutta 24. Perm.— Do.	Inspector.	STO-G.
4767	Dharam Prakash.	1928	B.Sc. (Agra—'47) M.Sc. Math. (Agra —'51)	...	Pres.— S/o Shri H.L. Saxena, Tahsildar, 3682, Balkabasti, Agra. Perm.— Do.	...	Un.
4768	Dubey, Suraj Prasad.	1924	B.Sc. (Banaras—'45) M.Sc. spl. Statistics. (Banaras—'47)	Since 1949 teaching mathematics.	Pres.— P.D.N.D. Inter College, Chunar, Mirzapur. Perm.— Do.	Lecturer.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4769	Dube, Surya Narain.	1916	B.Sc. (Agra—'35) M.Sc. Math. (Allahabad—'38) LL.B. (Agra—'40)	Since 1942 teaching mathematics.	Pres.—M.B.M. Engineering College, Jodhpur. Perm.— Do.	Prof. of Engg. Math.	T-G.
4770	Dutt, Chandra Kumar.	1917	B.Sc. Hons. (Patna —'38) M.Sc. spl. Statistics. (Patna —'40)	Engaged on planning & execution of ballistic trials in the land & naval service guns and development of gun ammunition.	Pres.—Proof & Experimental Establishment, Balasore. Perm.—Agabazar, P.O. Motiganj, Balasore, Orissa.	Supervisor.	STO-G.
4771	Dutta, Mahadev.	1919	B.Sc. Hons. (Calcutta —'40) M.Sc. Appl. Math. (Calcutta—'42) D.Phil. Science. (Calcutta—'50)	Teaching of mathematics and published papers on theoretical physics & chemistry.	Pres.— 9, Srinath Das Lane, Calcutta 12. Perm.— Vill. Barisa, P.O. Kolaghat, District Midnapore, West Bengal.	Research Fellow (N.I.S.)	R-F.
4772	Dwaraka, D.V.	1918	B.A. Hons. (Madras —'38) M.A. Math. (Madras) M.A. Statistics. (Calcutta—'47)	6 years teaching work of mathematics.	Pres.—Osmania University, Hyderabad. Perm.—A-19/18, Chikadapally, Hyderabad.	Lecturer in Math.	T-SG.
4773	Ekambaram, S.K.	1915	B.A. Math. (Madras —'35) B.Sc. Hons. Math. (Annamalai—'37) M.A. Math. & Statistics. (Ootacamund—'45)	Worked for 8 years in the meteorological department. Now engaged in teaching and research work in mathematics & statistics. Experience in statistics especially statistical quality control.	Pres.— University of Mysore, Mysore. Perm.— Do.	Prof. & Head of the Math. Dept.	TR-SG.
4774	Ganesan, Vadakkipalayam Rama-subrahmanyam.	1922	B.Sc. Hons. (Madras —'42) M.A. spl. Wireless. (Madras—'42) Dip. in Radio Commun. (C. & G. London—'48)	Working on Interpretation and appreciation of railway statistics.	Pres.—Statistical Organization of Ministry of Railways (Railway Board), Raisina Road, New Delhi. Perm.—69, Rama Naick Street, Nungambakkam, Madras 6.	Dy. Director (Statistics)	STO-G.
4775	Gangrade, Phoolchand.	1905	B.Sc. (Agra—'29) M.Sc. Math. (Allahabad—'32)	21 years of teaching work to intermediate & B.Sc. classes and 8 years to M.Sc. classes.	Pres.— Holkar College, Indore. Perm.— 85, Parsi Mohalla, Indore.	Prof. & Head of Math. Dept.	T-G.
4776	Ganguli, Pulin Lal.	1916	B.A. Hons. (Calcutta) M.A. Math. (Calcutta)	Since 1941 teaching mathematics up to degree classes.	Pres.— 221/2, Strand Road, Calcutta 1. Perm.— Do.	Prof. of Math.	T-
4777	Ganguli, S.M.	1889	B.Sc. (Calcutta—'10) M.Sc. (Calcutta—'12) D.Sc. (Calcutta —'22)	Worked for 38 years in teaching mathematics, published papers on geometry of the fourfold and on theory of plane curves. Recipient of Prem Chand Roy Chand scholarship in 1914.	Pres.— 16, Motijheel Avenue, Dum Dum, Calcutta 28. Perm.— Do.	...	Retd.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address(s)	Present post	Remarks
4778	Ganguly, Amalendu Narayan.	1922	B.Sc. (Calcutta—'43) M.Sc. Statistics. (Calcutta—'45)	Since 1945 serving in the Indian Statistical Institute, engaged on statistical analysis.	Pres.—Indian Statistical Institute, Calcutta. Perm.—64 E, Shampuker Street, Calcutta 4.	Asstt. Statistician.	STO-NG.
4779	Garde, Madhav Moreshwar.	1914	B.A. (Agra—'38) M.A. Appl. Math. (Agra—'40)	7 years teaching work.	Pres.— College of Engineering, Poona. Perm.—O/o Dr. Modak's Bungalow, Shri Krishna Niwasa, 658, Shivaji Nagar, Poona 4.	Asstt. Lecturer in Math.	T-G.
4780	Geevarghese, M.G.	1928	B.Sc. Hons. (Travancore—'49)	Since 1949 engaged in teaching mathematics.	Pres.— Govt. College, Chittur, Cochin. Perm.— Movankunnath House, Kuruppampadi, Distt. Trichur.	Lecturer in Math.	T-G.
4781	Ghosal, Kali Das.	1913	M.A. Math. (Calcutta—'35)	Since 1948 engaged in teaching mathematics.	Pres.— Bangabasi College, 19, Scott Lane, Calcutta.	Prof. of Math.	T-NG.
4782	Ghosh, Manisha Kanta.	1923	B.Sc. Hons. Dip. in Statistics.	Preparing agricultural design of experiments, analysing field data.	Pres.—Central Sugarcane Research Station, P.O. Puse, Darbhanga, Bihar. Perm.—O/o Satya Sadhan Ghose, Pleader, P.O. Lahoria Sarai, District Darbhanga.	Sr. Statistical Assistant.	STO-G.
4783	Ghosh, Nandalal.	1909	B.Sc. (Calcutta—'29) M.Sc. spl. Relativity & Electron theory. (Calcutta—'31) D.Phil. Appl. Math. (Calcutta—'51)	Since 1938 teaching mathematics, published research papers on the problems of configurations of heterogeneous fluid masses and fluid dynamics.	Pres.— Presidency College, Calcutta. Perm.— 5B, Rakhal Ghosh Lane, Calcutta 10.	Prof. of Math.	T-G.
4784	Ghosh, Nirmal Chandra.	1912	B.Sc. Hons. (Dacca—'34) M.Sc. Math. (Dacca—'36)	Doing field experiments for studying transport problems by statistical methods.	Pres.— Ministry of Transport, New Delhi. Perm.—C/o Ma Anandamoyee, B2/94, Bhdaini, Banaras.	Tech. Asstt.	STO-G.
4785	Gill, Budh Singh.	1928	B.A. Hons. Math. (Punjab—'48) M.A. spl. Statistics & Astronomy. (Punjab—'53)	Working on designing of experiments and analysis of statistical data.	Pres.— Statistical Laboratory, Kanpur. Perm.— Vill. Mongli Nichi, P.O. Sanahwal, Distt. Ludhiana.	Jr. Scientific Assistant.	STO-NG.
4786	Giri, Raghbir.	1923	B.A. Hons. Math. (Patna)	5 years work in the collection, collation, compilation and analysis of agricultural, animal husbandry, prices and rainfall statistics; published articles on the same.	Pres.— Land Records Department, Nagpur. Perm.— Do.	Statistician.	STO-G.
4787	Gnanadoss, Adaikanlam A.	1912	M.A. (1933)	19 years work in teaching mathematics to inter & graduate classes.	Pres.— Bishop Heber House, Tambaram, Madras State. Perm.— Do.	Lecturer.	T-

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4788	Goel, Umrao Mal.	1926	B.Sc. (Agra—'47) M.Sc. Math. (Rajputana—'49) LL.B. (1952)	Worked for 8 years in the teaching line.	Pres.—C/o Tikam Chand, Contractor, Ghazety Bazar, Ajmer. Perm.— Do.	...	Un.
4789	Goela, Gian Chand.	1915	B.A. Hons. (Delhi —'35) M.A. Math. (Delhi —'37)	Since 1944 engaged in teaching mathematics.	Pres.—Daya Nand Col- lege, Hissar. Perm.—C/o G. D. Goel, Advocate, Chawri Bazar, Delhi.	Prof. of Math.	T-NG.
4790	Goswami, Upendra- charaya.	1904	M.Sc. (1928)	...	Pres.—Rajendra College, Chapra. Perm.—P.O. Gadi-Bero, Distt. Manbhum.	Prof. of Math.	T-NG.
4791	Govindan Nambisan. T.M.	1927	B.A. Hons. (Madras —'51)	...	Pres.— New Blocks, Todhunter Nagar, Saidapet, Madras 15. Perm.— Pallithara, P.O. Koram, via Payyanur, North Malabar.	...	Un.
4792	Govindarajulu, Z.	1933	M.A. Math. (Madras —'52)	...	Pres.— Madras Christian College, Tambaram. Perm.— P.O. Atmakur, Distt Kurnool, Madras Presidency.	Tutor in Math.	T-NG.
4793	Guha Thakurta, Himangsu Kumar.	...	B.A. Hons. (Dacca —'26) M.A. Appl. Math. (Dacca—'27)	15 years teaching work.	Pres.—S A. Jaipuriya Col- lege, Calcutta 5. Perm.—1, Suren Tagore Road, Calcutta 19.	Sr. Lecturer in Math.	T-NG.
4794	Gupta, H.L.	1922	B.A. (Punjab—'42) M.A. Math. (Punjab —'44)	...	Pres.— Vaish College, Rohtak. Perm.— Mohalla Basak Dehra, Bhadravah, Kashmir.	Sr. Lecturer in Math.	T-NG.
4795	Gupta, Har Narain.	1925	B.A. (Punjab—'44) M.A. Math. (Punjab —'46)	...	Pres.— Room No. 128, CI Hutments, Dalhousie Road, New Delhi. Perm.— 6W/17, Patel Nagar, New Delhi.	Tech. Asstt.	...
4796	Gupta, Kiron Chan- dra.	1908	M.Sc. Math. (Cal- cutta—'30) LL.B. (Calcutta—'32)	Since 1932 doing teach- ing work.	Pres.—Raja Peary Mohan College, Uttarpara, Distt. Hooghly. Perm.— Do.	Principal.	T-NG.
4797	Gupta, Manoranjan.	1888	M.Sc. Math. (Calcutta —'18)	Specialized knowledge of theory of numbers, func- tions of a real variable, functions of a complex variable, algebra of quantics and differen- tial equations; published several papers on the above subjects.	Pres.— University of Cal- cutta, Calcutta. Perm.—IE, Pearymohan Sur Lane, Calcutta 6.	Lecturer in Math.	T-Sgt.
4798	Gupta, Mohan Lall.	1911	M.G. Math. (Punjab —'36)	5 years teaching work.	Pres.— D.S.D. College, Gurgaon. Perm.— Do.	Lecturer in Math.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4799	Gupta, Rajendra Mohan.	1930	B.Sc. (Agra—'49) M.Sc. Math. (Agra —'51)	4 years teaching work.	Pres.—Birla Engg. College, Pilani, Rajasthan. Perm.— 4107, Pilal Mandi, Agra.	Asstt. Prof. of Math.	T-NG.
4800	Gupta, Ram Kumar.	1926	B.Sc. (1948) M.Sc. spl. Statistics. (1951)	...	Pres.— 46/40, Rajgaddi, Kanpur. Perm.— Do.	...	Un.
4801	Gupta, Santi Ranjan.	1914	M.A. Math. (Calcutta —'36)	Since 1940 working on testing of various service equipments mainly cells & batteries and inspec- tion of electrical, optical & mathematical stores.	Pres.— T.D.E. (I. & E.), Bombay. Perm.— 19/A, Bagbazar Street, P.O. Bagbazar, Calcutta 3.	Asstt. Fore- man.	STO-G.
4802	Gupta, Shanti Swa- rup.	1925	B.A. Hons. (Delhi —'48) M.A. Math. (Delhi —'49) P.G. diploma in Statistics. (I.C.A.R. —'52)	Teaching to undergra- duate and postgraduate classes.	Pres.— Mathematics Dept., Delhi College, Delhi. Perm.— Do.	Lecturer in Math.	T-NG.
4803	Gupta, Suresh Chan- dra.	1929	B.Sc. (Agra—'47) M.Sc. Math. (Agra —'51)	...	Pres.—C/o Shri Makhan Lal, Principal, Govt. H.S. School, Bijnor.	...	Un.
4804	Gupta, Vishnu Par- kash.	1922	M.A. Math. (Punjab —'45) Cert. in Statistics. (Punjab—'45)	...	Pres.— Holi Mohalla, Karnal.	Lecturer in Math.	T-
4805	Hari Shanker.	1901	M.A. Math. (Banaras —'28)	27 years teaching experi- ence, published papers on properties of con- fluent hypergeometric functions.	Pres.— Delhi College, Delhi. Perm.— 57, Ramnagar, New Delhi.	Sr. Lecturer in Math.	T-NG.
4806	Isaac, S.	1904	M.A. Math. (Madras —'28) L.T. (Madras—'31)	24 years teaching work in the various govt. colleges.	Pres.—Govt. Arts College, Mount Road, Madras 2. Perm.— Do.	Lecturer & Head of the Dept. of Math.	T-G.
4807	Ishwar Dayal.	1931	B.Sc. (Agra—'50) M.Sc. (Agra—'52)	...	Pres.— C/o S S Goyal, 2209, Naiwala Gali No. 65, Karol Bagh, Delhi. Perm.— C/o L. Asharfi Lal, Chhapar House, Muzaifiarnagar.	...	Un.
4808	Iyengar, Heremoglu Sampath Sreenivas.	1909	B.A. Math. (Madras —'31)	Collection and compi- lation of statistics of cotton, published papers on the same.	Pres.— Indian Central Cotton Committee, 14, Nicol Road, Ballard Estate, P.O. Box No. 1002, Bombay 1. Perm.— Do.	Statistician. (Compilation)	Scientific editing & publica- tion.
4809	Iyengar, T. Totadri.	1900	B.A. Hons. (Madras —'21) M.A. (Madras)	Teaching to B.A. Hous. and M.A. classes on the theory of functions of the complex variable and statistical methods, published notes on the same.	Pres.—St. Joseph's Col- lege, P.O. Teppakulam, Trichinopoly. Perm.— Do.	Prof. of Math.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4810	Iyer, R. S.	1924	M.Sc. Math. (Nagpur —'47)	6 years teaching work.	Pres.—College of Science, Raipur. Perm.— C/o Dr. T.A. Radhakrishnan, D10B, Railway Colony, Ajni, Nagpur 3.	Lecturer in Math.	T-SG.
4811	Jain, Danendra Dev.	1924	B.Sc. (Agra—'49) M.Sc. Math. (Agra —'45) M.Sc. Statistics. (Agra—'46) Advanced statistical training. (Calcutta —'52) F.R.S.S. (London)	National income statistics and population statistics.	Pres.— Dept. of Economics & Statistics, Secretariat, Lucknow. Perm.— C/o Dwarka Pershad Jain, 399, Small Jain Temple Lane, P.O. Hathras.	Sr. Investigator.	STO-G.
4812	Jain, Maheshwar Pershad.	1931	B.A. Hons. (Punjab —'50) M.A. Math. (Delhi —'52)	...	Pres.— Jashan Cottage, Jhajjar Road, Rohtak. Perm.— Do.	...	Un.
4813	Joshi, Harish Chandra.	1930	B.Sc. (Lucknow—'50) M.Sc. Math. (Lucknow—'52)	...	Pres.— Malla Dania, Almora, U.P. Perm.— Do.	...	Un.
4814	Joshi, Laxmiprasad Chunilal. (Capt.)	1915	B.Sc. (Bombay—'37) B.T. (Bombay—'43) M.Ed. (Bombay—'51)	Educational psychology, mental testing and statistical methods applied in educational & psychological problems.	Pres.—National Defence Academy, Dehra Dun. Perm.—Soniwala, Patan, North Gujarat.	Instructor.	T-G.
4815	Joshi, Mudhukar Govind.	1930	M.Sc. (Nagpur—'52)	...	Pres.—C/o D.S. Moharir, Savitree Sadan, Keluskar Road (N), Shivajee Park, Bombay 28. Perm.— Do.	...	Un.
4816	Kala, Ghans Nand.	1926	B.Sc. (Allahabad—'48) M.Sc. Math. (Allahabad—'51)	...	Pres.— C/o Shree D.N. Kala, Asstt. Engineer (Irrigation), Mata Tila Dam Division, Jhansi, U.P. Perm.— C/o Dr. S.N. Kala, Sila Banghat, Distt. Garhwal, U.P.	...	Un.
4817	Kapse, Yeshwant Shanker.	1921	B.Sc. (Agra—'41) M.Sc. Statistics. (Bombay—'52)	Working in a scheme for cotton physiological research.	Pres.— 162, Rambag Colony, Indore. Perm.— Do.	Statistical Asstt.	R-NG.
4818	Kapur, Netar Lal.	1926	B.A. Hons. Math. (Punjab—'45) M.A. Math. (Punjab —'48)	6 years teaching work.	Pres.— Govt. College, Mandi, H.P. Perm.— Shanti Bhawan, Palakha Street, Mandi, H.P.	Lecturer in Math.	T-G.
4819	Karamchandani, Tej Thadharan.	1919	B.Sc. (Bombay—'34) M.Sc. Math. (Bombay —'37) Teachers Dip. (London—'39)	...	Pres.— No. 3, Air Force Academy, Indian Air Force, Coimbatore. Perm.— C/o Education Section, Air Head Quarters, New Delhi.	Education Officer.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4820	Karandikar, Laxman Vinayak.	1926	B.Sc. (Agra—'47) M.Sc. (Bombay—'52)	...	Pres.— Holkar College, Indore. Perm.—28, Junatukogunj, Karandikar's House, Indore.	Lecturer in Math.	T-G.
4821	Kaul, S.N.	1908	B.A. (Punjab—'28) M.A. Math. (Lucknow —'30) B.T. (Banaras—'33) Training in Statistics. (Calcutta—'49)	Since 1930 engaged in teaching mathematics and statistics, published text books on mathematics.	Pres.— P.W. Mily. Col- lege, Dehra Dun. Perm.— Do.	Instructor in Math.	T-G.
4822	Ketkar, Vinayak Vishwanath.	1907	M.Sc. Appl. Math. (Bombay—'30)	Teaching work of engg. mathematics and statistics for over 15 years in different colleges.	Pres.—New Engineering College, Sangli. Perm.— Do.	Prof. of Math.	T-G.
4823	Kini, M. Gopal.	1929	B.A. (Madras—'50) M.Sc. Statistics. (Travancore—'52)	...	Pres.— O/o Sri K.R. Kamath, Telang Road, Matunga, Bombay 19. Perm.— Do.	...	Un.
4824	Kochhar, Madanlal.	1911	B.A. (Punjab—'31) M.A. Math. (Punjab —'33)	Since 1934 engaged in the teaching line, published text books on calculus and geometry.	Pres.— Hindu College, Amritsar. Perm.— Do.	Prof. & Head of Math. Dept.	T-NG.
4825	Krishnamoorthy, D.	1928	B.A. Hons. (Madras —'44) M.A. Math. (Madras —'45)	Teaching undergraduate and postgraduate stu- dents.	Pres.—4, Madhu Mahal, Plot 83, Matunga, Bombay 19. Perm.— Do.	Lecturer in Math.	T-
4826	Krishnapillai, R.	1926	B.Sc. (Travancore —'45) M.Sc. Statistics. (Travancore—'48)	...	Pres.—Statistical Labo- ratory, Trivandrum. Perm.—Anickattu House, Chengalom, Olesha, Kottayam.	Research Offi- cer.	TR-SG.
4827	Krishnaswami, P.	1926	B.Sc. (Travancore —'45) M.Sc. Statistics. (Travancore—'47)	...	Pres.— Armed Forces Medical College, Poona. Perm.— C/o A. Padma- nabha Iyer, South Car Street, Nagercoil.	Research Offi- cer.	STO-G.
4828	Kunwar Kishen.	1912	B.A. Math. (Punjab —'31) M.A. Math. (Punjab —'34) Ph.D. Math. Statis- tics. (Lucknow—'50)	Specialized in modern statistics as applied to agriculture particularly to the design, sample surveys and yield of crops; published several papers on the same.	Pres.—Dept. of Agricul- ture, Chhota Chatter Mauzil, Lucknow. Perm.— Do.	Chief Statisti- cian to U.P. Govt.	STA-G.
4829	Kurup, R. Sivasankara.	1928	B.Sc. (Travancore —'48) M.Sc. Statistics. (Travancore—'50)	Doing research in non- parametric methods.	Pres.—Statistical Labo- ratory, Trivandrum. Perm.—Thundil House, Komana, Ambalapuzhay.	St. Research Scholar.	R-S.
4830	Lahiri, Debabrata.	1918	B.Sc. Hons. (Rangoon —'38) M.Sc. Math. (Cal- cutta—'55)	Worked for 5 years in the teaching line and for the last 6 years working on the planning of sample surveys, analy- sis of large scale cen- sus & survey data.	Pres.— Indian Statistical Institute, Calcutta. Perm.— Anath Ratan, Haridas Road, P.O. Balghoria, Distt. 24 Parganas.	Statistician.	R-NG.

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No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4881	Lakshminarayan.	1921	B.A. Hons. (Patna) M.A. Statistics. (Calcutta)	Since 1947 teaching to postgraduate classes in statistics.	Pres.—Dept. of Statistics, Patna University, Patna. Perm.— Dayanatchak, P.O. Barbigha, Distt. Monghyr.	Lecturer in Statistics.	T-SG.
4882	Lakshminarayanan, T.S.	1929	M.A. Math. (Madras —'51)	...	Pres.— 7, T.P. Kovil Lane, Triplicane, Madras 5. Perm.— Do.	...	Un.
4883	Lal, Dharm Raj.	1916	B.Sc. (Banaras—'41) M.Sc. Math. (Banaras —'43)	Teaching of mathematics for 10 years.	Pres.— G.R.S. Inter College, Basti. Perm.— Vill. Sonaulia, P.O. Babhnan, Distt. Basti.	Lecturer.	T-NG.
4884	Lal, Dip Narayan.	1914	B.A. Hons. (Patna —'36) M.A. spl. Statistics. (Patna—'38) Ph.D. Math. Statistics. (Edinburgh —'48) F.R.S.S. (London)	Teaching and guiding research in statistics and mathematics, published papers.	Pres.—Patna University, Patna. Perm.— New Dak Bungalow Road, Patna.	Reader & Head of the Dept. of Statistics.	TR-SG.
4885	Lele, Digambar Yeshwant.	1919	B.Sc. (Banaras—'40) M.Sc. Math. (Banaras —'43)	8 years work in the application of modern statistical techniques to agricultural problems.	Pres.— Indian Council of Agricultural Research, New Delhi. Perm.— O/o Y.G. Lele, High School Road, Jamkhandi, District Bijpur.	Statistician.	STO-SG.
4886	Lingappalab, Garudanagir Subrabhanya Shastri.	1928	B.Sc. Hons. (Mysore) M.Sc. Statistics. (Mysore)	...	Pres.— Presidency College, Madras. Perm.— T-116, Akkipet, Bangalore City.	Asstt. Prof. of Statistics.	T-G.
4887	Maini, Roshan Lal.	1924	B.A. Hons. (Punjab —'44) M.A. Appl. Math. (Punjab—'49)	Worked for 3 years in the teaching line in I.A.F.	Pres.— C/o Dr. K.O. Maini, Railway Hospital, Ferozepore Gaunt. Perm.— Do.	...	...
4888	Majumdar, Nanda Gopal.	1929	B.Sc. (Calcutta—'47) M.Sc. Appl. Math. (Calcutta—'50)	Carrying on studies in quantum mechanics along with theory of relativity & fluid dynamics.	Pres.—Galsi Model Station, P.O. Galsi, Distt. Burdwan. Perm.— Dept. of Appl. Math., University College of Science, 92, Upper Circular Road, Calcutta 9.	Research Officer.	R-G.
4889	Majumdar, Samarendra Kumar.	1927	B.Sc. (Calcutta—'47) M.Sc. Appl. Math. (Calcutta—'50)	...	Pres.— 81/B, Diamond Harbour Road, Calcutta 23. Perm.— Do.	...	Un.
4890	Majumder, Ranjan.	Anil	B.A. Hons. (Calcutta —'35) M.A. Math. (Calcutta —'37)	Teaching of mathematics and published text books on college algebra & plane trigonometry.	Pres.— St. Xavier's College, Ranchi. Perm.—158, Lansdowne Road, Calcutta 29	Prof. & Head of the Math. Dept.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4841	Malhotra, Chander Parkash.	1995	B.A. Hons. M.A. spl. Statistics.	...	Pres.—M.I. Directorate, Army Headquarters, New Delhi. Perm.— Do.	Technical Officer.	R-G.
4842	Manoocha, Howan Lal.	1929	B.A. Hons. Math. (Punjab—'49) M.A. Math. (Punjab —'51)	...	Pres.— D.S.D. College, Gurgaon. Perm.— Do.	Lecturer in Math.	T-NG.
4843	Masani, Pesi Rustom.	1919	Ph.D. (Harvard—'48)	Conducting researches on integration in non- commutative algebras on holomorphic functions & formulations of geometry and pedagogical experimentation; published several papers.	Pres.— Institute of Science, Bombay. Perm.— Do.	Offg. Prof. of Math.	TR-G.
4844	Mathur, Debinarain.	1918	B.Sc. (Agra—'39) M.Sc. Math. (Agra —'41) B.T. (Agra—'47)	Since 1948 teaching science and mathematics in schools.	Pres.— Govt. High School, Jhunjhum. Perm.— Daroghaji's House, Khazanewalon- ka-Rasta, Jaipur City.	Asstt Teacher.	T-G.
4845	Mathur, Prakash Chandra.	1921	B.Sc. (Allahabad—'40) M.Sc. Math. (Allaha- bad—'42)	...	Pres.—C/o Dr. H.G.D. Mathur, Secretary, Medical Council of India, 25C, S.S. Park, New Delhi. Perm.—O/o Prof. Sham Bahadur Mathur, A/1081, Civil Lines, Faizabad.	...	Un.
4846	Mathur, Satgur Pra- sad.	1933	B.Sc. (Agra—'50) M.Sc. Math. (Agra —'52)	...	Pres.— C/o Major S.P. Mathur, 57, Princes Park Mess, New Delhi. Perm.—39, Ramsay Road, Talli Tal, Nainital.	...	Un.
4847	Mehra, Hans Raj.	1922	M.A. Math. (Punjab —'45)	8 years teaching work.	Pres.— Delhi College, Delhi. Perm.— Do.	Lecturer in Math. & Statistics.	T-NG.
4848	Messiahdoss, S.R.	1919	B.A. Hons. (Madras —'40) M.A. Math. (Madras —'41) B.T. (Madras—'45)	Since 1940 engaged in teaching, now teaching postgraduate classes in mathematics.	Pres.— Presidency Col- lege, Madras. Perm.— 'Soundra Vilas', Tuticorin.	Asstt. Prof. of Math.	T-G.
4849	Mishra, Devendra.	1921	M.A. Statistics. (Patna—'51)	Teaching experience of about 12 years.	Pres.—Dept. of Statistics, Patna University, Patna. Perm.—Vill. & P.O. Son- barsa, P.S. Shahpur, Distt. Shahabad.	Lecturer in Statistics.	T-SG.
4850	Misra, Rama Dhar.	1908	B.A. Hons. (Lucknow —'29) M.A. Math. (Lucknow —'30) Ph.D. Math. (Edin- burgh—'40) F.N.I. (India)	18 years of teaching work to graduate & post- graduate classes and guidance of research; published papers on func- tions of a real variable, stability of crystal lat- tices and theory of relativity.	Pres.— Lucknow Univer- sity, Lucknow. Perm.— Do.	Prof. & Head of the Math. & Statistics Dept.	TR-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4851	Misra, Sukdeb Pra-sad.	1923	B.Sc. Hons. (Patna —'49) M.Sc. Math. (Patna —'44)	Since 1944 teaching mathematics.	Pres.— G.M. College, Sambalpur, Orissa. Perm.— Dariapurgola, Patna 4, Bihar.	Lecturer in Math.	T-S.G.
4852	Mitra, Abha. (Miss)	1916	B.A. Hons. (Calcutta —'36) M.A. Math. (Calcutta —'38) B.L. (Patna—'48)	Modern algebra and projective geometry.	Pres. Women's College, Patna University, Patna. Perm.— Paschimpalli, P.O. Santiniketan, Distt. Birbhum.	Prof. of Math.	T-SG.
4853	Mitra, Rabindra Kumar.	...	M.Sc. Math. (Calcutta —'52)	...	Pres.—Asutosh College, Calcutta. Perm.—'Prafulla Bhawan', 203/2, Russa Road South, Calcutta 33.	Demonstrator in Chemistry.	T-NG.
4854	Mitra, Snigharrabha.	1905	B.A. Hons. (Calcutta) M.A. Math. (Calcutta —'26)	...	Pres.—Lady Brabourne College, Calcutta. Perm.—161, Park Street, Calcutta 17.	Prof. of Math.	T-G.
4855	Mohammad, Ahsan.	1908	B.Sc. (Aligarh—'29) M.Sc. Math. (Aligarh —'32)	5 years teaching work in the Osmania University.	Pres.—Osmania University, Hyderabad. Perm.— F-7/888, New Mallayappalli, Hyderabad.	Lecturer in Math.	T-SG.
4856	Mohiuddin, Mohammad Khwaja.	1900	B.A. Hons. (Madras —'29) M.A. Math. (Madras —'25)	Since 1926 teaching mathematics to graduates & postgraduates classes, published text books on geometry.	Pres.—Osmania University, Hyderabad. Perm.— 613, Ward A/2, Himayatnagar, Hyderabad.	Reader in Math.	T-SG.
4857	Mokashi, Vasant Krishnaji.	1923	B.Sc. (Agra—'45) M.Sc. Statistics (Bombay —'52)	For the last 7 years doing statistical sampling and experimental designs in agriculture.	Pres.—Institute of Plant Industry, Indore. Perm.—C/o D K. Mokashi, Pleader, Bhusawal.	Statistical Assistant.	STO-NG.
4858	Mukherjee, Indu	1892	B.Sc (Calcutta—'14) M.Sc. Appl. Math. (Calcutta—'16)	34 years of teaching mathematics.	Pres.— The Calcutta Technical School, 110, Surendra Nath Banerjee Road, Calcutta 13. Perm.— P.O. Satui, Murshidabad, West Bengal.	Sr. Lecturer in Math. & Vice-Principal.	T-
4859	Murthy, Nori Radha Krishna.	1931	B.Sc. Hons. (Andhra —'51) M.Sc. Math. Phys. (Andhra—'52)	...	Pres.—C/o Nori Anjaneyulu garu, Sivalayam Street, Governorpet, Vizayawada 2. Perm.— C/o Nori Venkateswarasimhamgaru, Chiluvin, Tenali, Madras State.	...	Un.
4860	Murti, Vedula Narasimha.	1916	M.A. Math (Andhra —'38)	Doing research in statistics and also compilation of the financial data, published various research papers on theory of numbers, theoretical statistics, applied statistics and econometrics.	Pres.—Reserve Bank of India, Dept. of Research & Statistics, Bombay 1. Perm.—P.O. Kakrapurru, Tanuku Taluq, Distt. West Godavari.	Dy. Director of Statistics.	R-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4861	Murty, Vedula Narayana.	1926	M.A. Math. (Andhra —'46) Training in Agri. Statistics. (I.C.A.R. —'48)	Designing of field experiments, their analysis & interpretation.	Pres.—Central Tobacco Research Institute, Rajahmundry. Perm.—Vedula Vari Street, P.O. Anakapalle, Distt. Vizag.	Statistician.	STO-G.
4862	Nadimulla Mohamed.	1928	M.A. Math. (Madras —'45) Dip. in Statistics (Madras—'51)	6 years teaching work to intermediate and degree classes.	Pres.—Govt. Arts College, Madras 2. Perm.—Vill. Hathibagal, P.O. Alur, Distt. Bellary, Madras.	Asstt. Lecturer in Math.	T-G.
4863	Nag, Chandrasekharan Hemanga	1910	B.Sc. Hons. (Calcutta —'32) M.Sc. Appl. Math. (Calcutta —'34) B.T. (Dacca—'37)	...	Pres.—65, Bazar Road, P.O. Behala, Calcutta 34. Perm.—Do.	St. Instructor of Math.	T-NG.
4864	Nag, Kumar. Manindra	1925	B.Sc Hons. (Calcutta —'44) M.Sc. Statistics (Calcutta —'48) B.Sc Anthropology. (Calcutta —'50)	Application of statistical methods in biological, sociological and psychological data including field work.	Pres.—Dept of Anthropology, Govt. of India, Indian Museum, Calcutta 18. Perm.—15/1, Hindusthan Road, Calcutta 29.	Asstt. Statistician.	STO-G.
4865	Nagamani, N.	1930	B.A. Hons. (Madras —'48) M.Sc. Statistics. (Travancore—'50)	..	Pres.—Presidency College, Madras. Perm.—6, "Yoga Sadan", Nageswarapuram, Mylapore, Madras.	Asstt Prof. of Statistics.	T-G.
4866	Nair, Sivaramapillai Krishnakutty.	1928	B.Sc. Hons. (Travancore—'46) M.Sc. Math. Physios. (Andhra—'47) M.Sc. Math. (Travancore—'48)	...	Pres.—M.I. Directorate, Ministry of Defence, New Delhi. Perm.—Bharathisadan, Sasthamangalam, Trivandrum.	Technical Officer.	STO-G.
4867	Nair, Unni Nayar Sivaraman.	1904	M.A. Math. (Madras —'25) Ph.D Statistics. (London—'37) F.A.Sc. (India) F.N.I. (India)	From 1925-49 engaged in teaching and research in the Travancore University, 1949 to date engaged in the organization of census for the Travancore Cochin State. Experience in the theory of sampling, distribution functions and tests of hypothesis; published a number of papers on sampling theory.	Pres.—Travancore-Cochin, Perm.—University of Travancore, Trivandrum.	Supdt. of Census Operations.	STA-G.
4868	Nanda, Kidar Nath.	1918	B.A. Hons. (Punjab —'34) M.A. Math. (Punjab —'36) B.T. (Punjab—'38) M.A. English (Punjab —'45)	14 years teaching work, now teaching upto postgraduate classes.	Pres.—Govt. Hamidia College, Bhopal. Perm.—Do.	Head of the Dept. of Math.	T-G.

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4869	Nanjundiah, Tekal Subbiah.	1920	B.Sc. Hons. (Mysore —'44) M.Sc. Math. (Mysore —'45)	Published papers in pure mathematics.	Pres.— 103, Ratnavilas Street, P.O. Basavangudi, Bangalore 4. Perm.— Do.	Research Scholar.	R-S.
4870	Narayana Moorty, Tadepalli.	1919	B.A. Hons. Math. (Andhra —'39) B.Ed. (Andhra —'46) F.I.A. (London —'50)	10 years teaching work.	Pres.— Arts College, Anantapur. Perm.— Jalalpet, Masulipatam.	Lecturer in Math.	T-G.
4871	Narayan Singh.	1916	B.Sc. (Agra —'36) M.Sc. Math. (Agra —'38)	Since 1938 teaching mathematics.	Pres.— Madhav College, Ujjain. Perm.— Sikandar Kampus, Lashkar, Gwalior.	Prof. of Math.	T-G.
4872	Narlikar, Vishnu Vasudeva.	1908	B.Sc. (Bombay —'28) M.A. Math. (Cantab. —'30) B. Star Wrangler F.R.A.S. (1931) F.A.Sc. (India) F.N.A.Sc. (India) F.N.I. (India)	Since 1932 engaged in teaching to postgraduate classes and guiding research in mathematics, published papers on relativity, gravitation and a book on wave mechanics. Was President of the Mathematics section of Indian Science Congress in 1963.	Pres.— Banaras Hindu University, Banaras 5. Perm.— Mahadwar Road, Kolhapur.	Prof. & Head of the Dept. of Math. and Pro Vice Chancellor of the Banaras Hindu University.	TR-SG.
4873	Natarajan, Nemam Sundaram.	1929	B.A. Hons. Math. (Madras)	...	Pres.— Govt. Arts College, Anantapur. Perm.— 9, Masilemani Mudali Street, Thyagarayanagar, Madras 17.	Asstt. Lecturer in Math.	T-G.
4874	Natesan, Mayavaram Sadasiva Iyer.	1909	B.A. (Madras —'29) B.A. Hons. (Madras) M.A. Math. (Madras —'31)	Since 1933 engaged in the cotton statistics; at present doing supervision of the work of the office including work connected with the distribution of hoops and coal to ginning and pressing factories in India.	Pres.— Indian Central Cotton Committee, P.O. Box No. 1002, Bombay 1. Perm.— Do.	Office Supdt.	STO-SG.
4875	Nayar, P.S. Janardhanan.	1921	B.Sc. (Travancore —'44) M.Sc. Statistics. (Travancore —'47)	Postgraduate teaching and part-time research in statistics.	Pres.— Statistical Laboratory, Trivandrum. Perm.— 'Sri Sadan', Sasthamangalam, Trivandrum.	Research Asstt.	TR-SG.
4876	Nirmal Singh.	...	M.Sc. Math. (Agra —'52)	...	Pres.— 815, J.N.A.D., Babu Lal Building, Darshanpurwa, Kanpur. Perm.— Do.	...	Un.
4877	Noor Ahmed.	1919	B.A. Hons. (Madras —'38) M.A. Math. (Madras —'39) B.L. (Madras —'44) B.T. (Madras —'47)	Teaching mathematics to graduate & post-graduate classes for about 7 years.	Pres.— Presidency College, Madras. Perm.— 127, Oppanakkara Street, Coimbatore.	Asstt. Prof. of Math.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remark
4878	Oberoi, Gurbaksh Singh.	1930	B.A. (Punjab—'49) M.A. Math. (Punjab —'51)	...	Pres.— Khalsa College, Karol Bagh, New Delhi. Perm.—H. No. 694, Moh. Kaithmajri, Ambala City.	Lecturer in Math.	T-NG.
4879	Om Prakash.	1915	B.Sc. (Allahabad—'36) M.Sc. Math. (Allaha- bad—'38) F.I.A. (London—'51)	12 years teaching work.	Pres.— Seth G.B. Podar College, Nawalgarh, Jaipur. Perm.—C/o O.P. Goyal, 4A, P.L. Sharma Road, Begum Bridge, Meerut.	Lecturer in Math. and Statistics.	T-NG.
4880	Palit, Rama.	1925	B.Sc. (Calcutta—'45) M.Sc. Math. (Calcutta —'48)	...	Pres.— Mathematics Dept., Poona University, Poona. Perm.— 18A, Aundh Road, Kirkee, Poona 3.	Student for Ph.D. degree.	...
4881	Panchawagh, Satya- sheel Marutirao.	1928	B.Sc. (Bombay—'47) M.Sc. (Bombay—'50)	...	Pres.—140, Sardar Griha, Bombay 2. Perm.— Do.	...	Un.
4882	Pande, Bhagwati Prasad.	1915	B.Sc. (Allahabad—'36) M.Sc. spl. Astronomy. (Allahabad—'38)	5 years teaching work	Pres.—D.S. Bisho Govt. Degree College, Naini- tal. Perm.—C/o Pt. Govind Ballabh Pande, Mohalla Pokharkhali, Almora.	Asstt. Prof. of Math.	T-G
4883	Pandey, Jagat Pati.	1920	B.Sc. (Patna -'40) M.Sc. Statistics. (Calcutta—'45)	Crop survey and statis- tics, published reports.	Pres.—Central Sugarcane Research Station, P.O. Pusa, Distt. Darbhanga, Bihar. Perm.— C/o Pt. B.N. Pandey, Vill. Chavta- rawa, P.O. Kalyanpur, via Hathua, District Saran, Bihar.	Sr. Statistical Assistant.	STO-G.
4884	Pandit, Pramod Balwant.	1912	M.A. Math. (Nagpur —'37)	...	Pres.—Tambat's House, 19/488, Badnera Road, Amravati. Perm.— Naik Zenda, Chitnavispara, Qr. No. 6, Nagpur 2.	Lecturer in Math.	T-
4885	Panditrao, Vithal Narahr.	1933	M.A. spl. Statistics. (Bombay—'46)	7 years work in planning and supervision of large scale sample surveys for crop cutting.	Pres.— 1904/261, Kashi Niwas, Shivaji Nagar, Poona 5. Perm.—C/o N.K. Pandit- rao, Pleader, Mangal- war Peth, Kolhapur.	Sr. Statistical Assistant.	STO-G.
4886	Paradkar, Bhalchandra Keshao.	1924	M.Sc. Math. (Nagpur —'47)	Since 1947 teaching mathematics.	Pres.— J.S.W., Clement Town, Dehra Dun. Perm.— Do.	Lecturer Math.	T-G.
4887	Paranjpe, Gangadhar Chintaman.	1919	B.Sc. (Bombay—'40) M.Sc. Appl. Math. (Bombay—'42)	Since 1948 engaged in teaching profession, specialization in en- gineering mathematics.	Pres.—National Defence Academy, Dehra Dun. Perm.—825/A, Sadashiv Peth, Poona 2.	Lecturer	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4888	Paranjpye, Raghu- nath Purushottam.	1876	B.Sc. (Bombay—1894) B.A. Math. (Cantab.— 1899) M.A. Math. (Cantab.— 1901) D.Sc. Hons. (Calcutta— '21) F.N.I. (India)	Served as Principal & Professor of Mathematics in Fergusson College Poona from 1902-36 and as Vice Chancellor of Lucknow University from 1932-38.	Pres.— Purushottam Ashram, Poona 4. Perm.— Do.	...	Retd.
4889	Patel, Shankarling- appa Ambika Devi. (Mrs.)	1927	B.Sc. (Mysore—'46) M.Sc. (Baras—'51)	Since 1946 teaching mathematics.	Pres.—Maharani's Col- lege for Women, Ban- galore. Perm.— C/o Sri O.L. Shivappa, 12, Shanti- nilaya Outhouse, She- shadri Road, Bangalore 2	Lecturer in Math.	T-G.
4890	Pathak, Mukundrai Gaurishanker.	1920	M.Sc. Appl. Math. (Bombay—'47)	5 years teaching work.	Pres.—Birla Vishwakarma Mahavidyalay, Vallabh Vidyanagar, v/a Anand. Perm.— Do.	Asstt. Lecturer.	T-NG.
4891	Patki, Somkant Gujanan.	1919	B.Sc. (Bombay—'42) Certificate in Statistics, (B.I.E.T., Bom- bay)	Supervising of field work and statistical analysis of data.	Pres.—Statistical Section, Agricultural Dept., Poona. Perm.— C/o Dr. A.M. Patki, M.B.B.S., 131, Rastapeth, Poona 2.	Sr. Statistical Assistant.	STO-G.
4892	Patnaik, Pakki Bhaktavatsal.	1911	B.A. Math (Audhra —'29) M.A. (Madras—'32) Ph.D. Statistics. (London—'48) F.R.S.S. (London)	Since 1932 working in teaching line, now teaching mathematics and statistics to post- graduate classes and guiding research in statistics; published pa- pers on mathematical statistics.	Pres.— Presidency Col- lege, Madras. Perm.— Do.	Prof. of Math.	TR-G.
4893	Patwari, Venktesh Narsimha.	1900	B.A. Hons. (Bombay —'20) M.A. (Osmania—'27)	30 years of teaching ex- perience.	Pres.—325, Nallakanta, P.O. Jamal Osmania, Hyderabad 7. Perm.— Do.	Reader in Math.	T-S.G.
4894	Pillay, T.K. Mani- cavachagom	1916	B.A. Hons. Math. (Madras) L.T. (Travancore)	15 years teaching work in college classes.	Pres.—Alagappa College, Karaikudi, South India. Perm.— Do.	Prof. & Head of the Math. Dept.	T-NG.
4895	Poornapragne, Vodeyavergam Negapatam.	1906	M.A. (Mysore—'29) F.R.S.S. (London —'40)	Organizing, collection and compilation of sta- tistical information especially those pertaining to agriculture, live- stock and rural eco- nomics; designing, plan- ning, sample surveys and field experiments; published papers.	Pres.— Department of Statistics, Hyderabad. Perm.— A-8-242, Ganda- singh's Compound, Kachiguda Station Road, Hyderabad.	Crop Statis- tician.	STO-G.

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S.No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present posts	Remarks
4896	Potl, Sankaran Janardan.	1918	B.Sc. (Banaras—'39) M.A. Math. (Banaras—'49) S.M. spl. Biostatistics. (Harvard—'51)	Statistical design & analysis of medical experiments and sampling of human populations; published several papers.	Pres.—All India Institute of Hygiene & Public Health, 110, Central Avenue, Calcutta. Perm.— Do.	Demonstrator in Statistics.	TR-G.
4897	Pramanik, Madhusudan.	1909	B.Sc. Hons. M.Sc. Math. (Calcutta—'31)	Since 1932 teaching mathematics.	Pres.— Victoria College, Cooch-Behar. Perm.— New Town, Cooch-Behar.	Prof. of Math	T-G.
4898	Prasad, Kishore. Jugal	1930	B.A. Math. (Patna—'49) M.A. Statistics. (Patna—'51)	...	Pres.—Dept of Statistics, Patna University, Patna 5. Perm.—Vill. Maheshpur, P.O. Bachhwara, Distt. Monghyr.	Laboratory Assistant	STO-SG.
4899	Prasad, Sukdeo Narayan.	1925	B.Sc. Hons. (Patna—'45) M.Sc. spl. Theory of Numbers. (Patna—'47)	Since 1948 engaged in the teaching line, contributed articles & papers.	Pres.— B.N. College, Patna. Perm.—Salimpur Ahra, Patna 3.	Lecturer in Math.	TR-SG.
4900	Puri, Sain Dass.	1918	M.A. Math. (Punjab—'40)	...	Pres.— Govt. College, Mandi, H.P. Perm.— Sultanpore Lodhi, Kapurthala.	Sr. Lecturer in Math.	T-G.
4901	Purohit, Jayant Narayan.	1930	B.A. Hons. (Bombay—'50) M.A. Statistics. (Bombay—'52)	Statistical analysis, designing of experiments and preparing reports.	Pres.— ATIRA, Statistics Division, Navrangpura, Ahmedabad 9. Perm.— R. No. 67, Dalas Building, Ash Lane, Portuguese Church Street, Dadar, Bombay 28.	Jr. Scientific Assistant	STO-I.
4902	Raghavan, C.S.	1918	B.Sc. Hons. (Nagpur) M.Sc. Math. (Allahabad)	...	Pres.— M.M. Vidyalaya, Jabalpur. Perm.— Do.	Asstt. Prof. of Math.	T-NG.
4903	Rajagopal, P.	1930	B.A. Hons. Math. (Madras—'50)	Since 1950 engaged in teaching work.	Pres.—Alagappa College, Karaikudi. Perm.—17, Crescent Park Street, Madras 17.	Lecturer in Math.	T-NG.
4904	Rajagopal, Srinivasa.	1929	B.Sc. (Madras—'49) M.A. Math. (Madras—'51) Dip. in Statistics. (Madras—'53)	...	Pres.— 19, Singrachari Street, Triplicane, Madras 5. Perm.— Do.	...	Un.
4905	Rajappa, Nanguneri Rama.	1927	B.A. Hons. (Madras—'49) M.Sc. Math. (Madras—'50)	...	Pres.— O/o Pandit K. Rama Iyer, Sannadhi Street, Nanguneri, Distt. Tiruvelveli. Perm.— Do.	...	Un.
4906	Ramachandran, M.B.	1926	B.A. Math. (Madras—'47) M.A. Math. (Madras—'49)	Statistics as applied to textile industry so far as quality control is concerned.	Pres.— C/o ATIBA, Navrangpura, Ahmedabad 9. Perm.—6, Govindasamy-chetty St., Shevapet, Salem, Madras State.	Jr. Scientific Assistant	STO-I.

## MATHEMATICS &amp; STATISTICS—Contd.

S.No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4907	Ramamoorthy, Subramania.	1930	B.A. Hons. Math. (Madras—'52)	...	Pres.— 17, Thenopathy Street, Sirkal, Distt. Tanjore. Perm.— 18, Nadu Street, Mylapore, Madras 4	...	Un.
4908	Ramamurti, K.S	1914	M A. Math. (Madras —'38)	From 1943-49 served in the India Meteorological Dept. and now teaching mathematics up to intermediate classes; published papers on meteorological problems, e.g. rainfall measurement, variation in the atmosphere, sunspots & their relation to terrestrial phenomena.	Pres.— National Defence Academy, Clement Town, Dehra Dun. Perm.— Vill Vembi, P.O. Kalavai, Distt. North Arcot, Madras.	Lecturer in Math.	T-G.
4909	Ramaswami, A.S	1917	B.A. Hons. Math. (Madras—'48) B.L. (Madras—'51) Dip. in Statistics. (Madras—'51)	...	Pres.— 65, Mundakanni Amman Kovil Street, Mylapore, Madras 1 Perm.— Do.	...	Un.
4910	Ramaswami, Chellammai	1931	B.A. Hons (Madras —'51)	...	Pres.— 85, Purasawalkam High Road, Madras 10. Perm.— 4A, Promenade Road, Trichinopoly.	Tutor in Math	T-N.G.
4911	Ramaswamy, Subba- sastry.	1927	B.Sc. Hons. (Mysore —'49)	Since 1949 teaching mathematics.	Pres.— Intermediate College, Chikmagalur. Perm.— C/o Sri S.N. Srikantaiah, News Agent, Srirangapatna.	Lecturer in Math.	T-N.G.
4912	Rameshwari Saran.	1912	B.Sc. (Agra—'32) M.Sc. Math. (Agra —'34)	12 years teaching work of mathematics.	Pres.— 15C, Timarpur, Delhi 8. Perm.— C/o Shri Ishwar Saran, Lecturer, Meerut College, Meerut.	Teacher.	T-N.G.
4913	Rane, Wishwas Vinayak	1931	B.Sc. Hons (Bombay —'50) M.Sc. Statistics. (Bombay—'52)	...	Pres.— Chaitanya Niwas, Gokhale Road North, Bombay 28. Perm.— Do.	...	Un.
4914	Rangan, A.	1928	M A. Math. (Madras —'52)	...	Pres.— 7, Mariamman Koil Street, Madjakuppan, Cuddalore, N.T. Perm.— Do.	...	Un.
4915	Rangaswami, Malathi (Miss)	1930	B.A. Math. (Madras —'49) B.A. Economics. (Madras—'50) M.A. spl. Statistics (Madras—'52)	...	Pres.— 194, Poonamallee High Road, Madras Perm.— O/o Dr. T.R. Rangaswami, 8/1, Nageswara Iyer Street, Nungambakkam, Madras.	...	Un.
4916	Rao, A. Ranganatha.	1908	B.Sc. (Bombay—'31) M.Sc. Math. (Bombay —'38)	20 years teaching work of mathematics to all the college classes, published many articles.	Pres.— Bahauddin College, Juunagadh. Perm.— Jakkasamudram, Distt Salem.	Prof of Math	T-

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4917	Rao, Cherla Viweswara.	1927	B A Hons Math (Andhra—'47) Cert in Agri Statistics (I C A R —'48)	Investigation in economic and statistical problems relating to agriculture.	Pres.— Directorate of Economics & Statistics, Ministry of Food & Agriculture, New Delhi. Perm.— Kakaraparru, Tenku Taluka, Distt West Godavari.	Research Investigator.	STO-G.
4918	Rao, Dhanyamraju Seshagiri	1926	B A Math. (Andhra —'46) M A Math. (Agra —'48)	Since 1948 teaching mathematics to intermediate and degree classes.	Pres.— P.R. College, Kakinada.	Lecturer in Math	T-NG.
4919	Rao, Panuganti Lakshmaus	1921	B Sc (Andhra —'44) M A Math (Madras —'46) Dip in Statistics (Madras—'49)	Teaching statistics.	Pres.— Hindu College, Guntur. Perm.— 10/16, Sabadu House, Old Guntur, Guntur	Special Tutor in Math	T-NG.
4920	Rao, Raghavend.	1912	B A Math (Osmania) M.A Math (Osmania)	...	Pres.— Osmania University, Hyderabad. Perm.— P.O. Kulak (Charla, Mahboobnagar, Distt. Hyderabad).	Lecturer in Math	T-SG.
4921	Rathie, Chaugan Mal B.	1912	B Sc (Agra—'32) M Sc Math (Agra —'36)	Since 1936 engaged in teaching mathematics to postgraduate and undergraduate classes.	Pres.— Dungar College, Bikaner. Perm.— 84, Main Street, Nasirabad, Rajputana.	Lecturer in Math.	T-G.
4922	Rathnavathi, Pillarisetti	1924	M A apl. Statistics & Hydro-mechanics (Andhra—'44)	9 years teaching work.	Pres.— Govt. College for Women, Guntur Perm.— Do.	Asstt Lecturer.	T-G.
4923	Ratna Bai, V	1929	M Sc Math (Trivandrum—'52)	...	Pres.— Rama Varma Women's Hostel, Ernakulam. Perm.— Madathil House, Enwa, Kayamkulam.	..	Un.
4924	Rau, Ananthapadmanabha.	1908	B A (Mysore—'30) M Sc Statistics (Iowa—'48)	Agricultural meteorology and statistical work connected with agriculture and food production, published papers on the same.	Pres.— Dept. of Agriculture, Bangalore. Perm.— 69, II Cross Road, Basavanagudi, Bangalore.	Statistical & Agricultural Meteorologist.	STO-G.
4925	Ray, Prabhat Kumar	1927	B Sc (Calcutta —'47) M Sc. Math. (Calcutta —'52)	...	Pres.— Asutosh College, Calcutta 26. Perm.— C/o K.C. Ray, P.O. Mathabhanga, Cooch-Behar.	Demonstrator in Physics.	T-NG.
4926	Rosayya, Pydipalle	1919	M A Math (Madras) L T (Madras—'42)	8 years teaching work upto graduate classes.	Pres.— Govt Arts College, Anantapur, Madras State. Perm.— Kammapalle East, Madnapalle.	Asstt Lecturer in Math	T-G
4927	Roy, Ajit Kumar	1926	M Sc Math. (Calcutta —'51)	...	Pres.— 11, Swarnamayee Road, P.O. Botanic Gardens, Howrah. Perm.— Do.	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4928	Roy, Anadi Ranjan.	1920	M Sc. Math. (Calcutta—'42) M Sc. Statistics. (Calcutta—'44)	Extensive experience of sample survey and related statistical problems.	Pres.— Indian Council of Agricultural Research, New Delhi. Perm — C/o S R. Roy, Flat No. 7, 8 C, Beadon Street, Calcutta.	Statistician.	STO-SG.
4929	Roy, Das Moni.	1895	M A. Math. (Calcutta—'18) Dip in Statistics. (Calcutta—'44)	Since 1922 teaching mathematics, contributed a large number of articles on astronomy, popular math., a book on inter algebra and differential calculus.	Pres.— Meerut College, Meerut. Perm — P-6, Jawahar Qrs , Meerut	Prof. of Math & Statistics.	T-NG.
4930	Roy, Jagabratা.	1930	B Sc Hons. (Calcutta—'48) M Sc Statistics. (Calcutta—'50)		Pres — Indian Statistical Institute, Calcutta Perm.— 88, Baithak Khana Road, Calcutta 9	Technician.	STO-NG
4931	Roy, Manindranath.	1920	B Sc. (Calcutta—'40) M Sc. Math. (Calcutta—'42)	Since 1944 doing teaching work.	Pres — Christ College, Cuttack Perm. -C/o Sri Atindra Nath Roy, New House, Opp Rly. Station, P O Berhampore, West Bengal	Lecturer in Math.	T-NG.
4932	Roy, Purnendu Mohop.	1924	M Sc Statistics (Calcutta—'47)	Doing teaching work of postgraduate students and analysis of biological & field data, published papers.	Pres — 110, Chittaranjan Avenue, Calcutta 19. Perm — Do.	Demonstrator (Statistics)	T-
4933	Roy, S.N.	1919	B Sc (Calcutta—'40) M Sc. Math. (Calcutta—'48)	Investigation and trials in connection with failures in performance of ammunition, repair & disposal of ammunition and design of new apparatus	Pres.—Technical Development Estt (Ammo), Kirkee Perm — Danditolepara, P O Nabawip, Distt Nadia.	Asstt. Supdt. of Development	STO-G.
4934	Sabhesan, Madras Sitarama.	1928	M.A Math (Madras—'50)	...	Pres — 8A, Ramanujam Chetty Street, Nungambakkam, Madras 6 Perm — Do	...	Un.
4935	Sahasrabudhe, Vinayak Bhaskar.	1911	M Sc. Statistics (Bombay—'51)	12 years work in agricultural & plant breeding trials and sample survey.	Pres — Institute of Plant Industry, Indore, M B Perm — 778, Rawiwar Peth, Nasik City.	Statistical Assistant	STO-NG.
4936	Saksena, Krishna Murari.	1919	B Sc. (Agra—'39) M A Math.(Agra—'41) M A Statistics. (Agra—'49) Ph D (Agra—'52)	Since 1945 teaching mathematics, published papers on Laplace transform.	Pres.— University of Saugor, Sagar Perm.— Do.	Lecturer in Math	T-SG.
4937	Sandil, Jagdishnaraian Bakuntha naraian.	1912	B Sc (Bombay—'30) M.Sc. Appl. Math. (Bombay—'35)	Since 1937 teaching mathematics and from 1947 onwards teaching physics also up to B Sc classes.	Pres — Samaldas College, Bhavnagar. Perm.— Do.	Principal.	T-NG.

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S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4938	Sankara, Subrahmanyam Alurn V.	1931	B.Sc. Hons. Math. (Madras—'51)	...	Pres.—Govt. Arts College, Madras 2 Perm.—C/o Sri A Venkatesubbayya, Vill. Kolathoor, P O. Tirumalpur	Asstt. Lecturer in Math.	T-G.
4939	Sapatnekar, Prabhakar Govind. (Capt.)	1918	B.Sc. (Bombay—'34) M.Sc. Appl. Math. (Bombay—'37) B.T. (Bombay—'39)	Teaching mathematics and science for the last 10 years in various Defence Instructional Establishments	Pres — N.D.A. (M.W.), Premnagar, Dehra Dun Perm.—196/84A, Sadashiv, Tilak Road, Poona	Instructor.	T-G.
4940	Saran, Nirvikar.	1918	B.Sc. (Banaras—'36) M.Sc. Math. (Allahabad—'38)	Since 1941 teaching mathematics.	Pres — Christ Church College, Kanpur Perm — C/o Shri Nirankar Saran, Pernmeshwar Das Street, Rampur.	Head of the Dept of Math.	T-NG.
4941	Sarau, Ram Kirti	1918	B.Sc. Hons. (Lucknow—'35) M.A. Math. (Agra—'46)	Since 1937 engaged in the teaching profession, published text book on solid geometry	Pres.—Shyam Sunder Memorial College, Chandauli Perm.—Hathikhana, Chandauli	Lecturer in Math.	T-NG.
4942	Sarkar, Birendra Nath	1926	B.Sc. Hons. (Calcutta—'47) M.Sc. Statistics. (Calcutta—'49)	...	Pres — Indian Statistical Institute, Calcutta Perm — 1/1A, Jogo Mohan Saha Lane, Calcutta 7.	Technician.	STO-NG.
4943	Sarkar, Dipankar.	1929	B.A. Hons. (Calcutta—'48) M.A. Statistics. (Calcutta—'50)	...	Pres — Indian Statistical Institute, Calcutta. Perm — 7B, Ballygunge Place, Calcutta 19.	Technician.	STO-NG
4944	Sarma, Durvasula Varaha Narasimha	1929	B.A. Math. (Andhra) M.Sc. Math. (Banaras)	...	Pres — ATIRA, Navrangpura, Ahmedabad. Perm.—C/o Dr. Kameswaramma, Rajahmundry.	Jr. Scientific Assistant	STO-NG.
4945	Sarma, Charan.	1914	M.Sc. Physics (Calcutta—'37) M.A. Math. Statistics. (Columbia—'49)	Worked for 8 years in teaching physics. Now engaged in planning, collection & interpretation of official statistics, conduct of sample surveys, etc. Published several reports of sample enquiries of the department	Pres — Motinagar, Shilong, Assam. Perm — Kamakhya, Distt Kamrup, Assam.	Director of Economics & Statistics and Ex-officio Director of Population Records & Supdt of Census Operations	STA-G.
4946	Saroja, Budavar Venkatakrishnaiah	1939	B.Sc. Hons. (Mysore—'51) M.Sc. Math. (Mysore—'52)	...	Pres — Central College, Bangalore 1 Perm.—22, Venkatesappa Lane, Obikkavalli, Bangalore 2	Lecturer in Math.	T-G.
4947	Satya Narayana, M.C.	1925	B.A. Hons. (Mysore—'45) M.Sc. Statistics. (Mysore—'48)	Statistical analysis and interpretation of economic data concerned with industry, trade, prices, etc.; published articles	Pres — Indian Coffee Board, P.O. Box No. 2, Bangalore. Perm.—2889/1, Jayanagar, Mysore.	Asstt Statistician.	STO-I.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4948	Satyanarayana, Motupalli.	1928	B.A. (Andhra—'47) B.A Hons (Andhra—'49) M.A. (Andhra)	Lecturing to graduate & postgraduate classes.	Pres.— Presidency College, Madras.	Asstt. Prof. of Math.	T-G.
4949	Saxena, Gobind Saran.	1920	B.Sc. (Agra—'40) M.Sc. Math. (Agra—'42) Dip in Radio Engg (Delhi)	...	Pres — Agricultural College, Jobner, Rajasthan. Perm.— C/o Shri Roop Kishore Saxena, Mech. Engineer, Kund Radha Kishan, Jaipur.	Sr. Lecturer in Math. & Physics.	T-G.
4950	Saxena, Mewa Ram.	1896	B.Sc (Allahabad—'19) M.A Math. (Banaras—'21)	Since 1923 teaching mathematics, published modern algebra, geometry, trigonometry and glossary of mathematical terms.	Pres.— S.M. Degree College, Chandausi. Perm.— Moh. Kunwarpur, Bareilly.	Head of the Math. Dept.	T-NG.
4951	Saxena Rajeshwar Dayal	1918	M.Sc Math. (Agra—'40) L.T (Allahabad—'49)	Doing compilation, analysis and interpretation of statistics relating to roads and road transport.	Pres.— Ministry of Transport, Roads Organization, New Delhi Perm.— 6123/IB, Devnagar, Karolbagh, Delhi.	Statistical Assistant.	STO-G.
4952	Sekhon, Raja Ram.	1900	B.A. Hons. (Punjab—'21) M.A Math. (Punjab—'23)	About 30 years teaching experience to intermediate and degree classes, published text books on plane trigonometry and coordinate geometry.	Pres.— Govt College, Rupar, Ambala. Perm.— Vill Chhetran, P.O. Dulehar, via Jajjon Doaba, District Hoshiarpur.	Head of the Math. Dept.	T-G.
4953	Sen, Ajit Kumar.	1913	B.Sc (Calcutta—'34) M.Sc. Math. (Calcutta—'36) B.T (Calcutta—'49)	Analysis of metals & chemicals	Pres — Laboratory Section, Ordnance Factory, Katra. Perm.— O/o B.T. Sen, A.D.C's. Office, Dhanbad, Maubhum.	Supervisor.	STO-G.
4954	Sen, Bhupati Mohan.	1888	M.A Appl. Math (Calcutta—'10) B.A Math. Tripos (Cantab.—'12) F.N.I. (India)	Since 1915 teaching mathematics and retired as Principal, Presidency College in 1948. Experience in applied mathematics and written several papers and a book on Light & Matter	Pres — Calcutta University, Calcutta. Perm.— 12, Ballygunge Circular Road, Calcutta 19.	Part-time Professor.	T-Sc.
4955	Sen, Bibhuti Bhushan.	1898	B.Sc. Hons. (Calcutta) M.Sc. Appl. Math (Calcutta) D.Sc (Calcutta) F.N.I. (India)	Long & varied experience of teaching mathematics, published several papers on the mathematical theory of elasticity in different journals	Pres — Hoogly Mohsin College, Chinsurah, West Bengal.	Principal & Prof. of Math.	TR-NG.
4956	Sen, Pankaj Kumar.	1916	B.Sc. (Calcutta—'37) M.Sc. Appl. Math. (Calcutta—'40)	Since 1941 teaching mathematics.	Pres — Calcutta Technical School, Calcutta. Perm.— P 40 of 72, Magazine Road, Nayak Colony Dakshinawar, 24 Parganas.	Lecturer.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4957	Sen, Suprakash.	1912	B Sc. (Calcutta—'38) M.Sc. Math. (Calcutta —'37) Training in Statistics (Calcutta—'40)	Statistical analyses of the experimental results.	Pres.—Indian Veterinary Research Institute, P.O. Mukteswar Kumaon, Distt Nainital. Perm.— Do.	Research Asstt.	STO-G.
4958	Sen Gupta, Jitendra Mohan.	1906	B Sc. (Calcutta—'27)	Agricultural sampling.	Pres.—Indian Statistical Research Institute, Calcutta. Perm — O/o B M Sen, P.O. Santiniketan, Bir- bhum	Statistician.	R-NG.
4959	Sen Gupta, Prabhas Chandra.	...	B.Sc. (Calcutta—'27) M.Sc Math. (Calcutta —'30)	Inspection of general stores, oils, paints, chemicals, etc.	Pres.—74/1/1, Amherst Street, Calcutta 9 Perm.— Do.	Chargeman.	STO-I.
4960	Seshadri, N.	1931	B A Hons. (Madras —'51)	Teaching to graduate classes.	Pres.— Presidency Col- lege, Madras Perm.—20, Singarachary Street, Triplicane, Madras 5	Asstt. Prof. of Math.	T-G
4961	Seth, Bhoj Raj	1907	B A. Hons. (Delhi —'27) M A (Delhi—'39) M Sc (London—'32) Ph D. (London—'34) D Sc (London—'37) F.A.Sc (India) F N A Sc (India)	Since 1934 teaching and conducting research in applied mathematics (elasticity and hydro- dynamics). Published many papers in the field of elasticity, photo- elasticity, hydrodyna- mics and boundary value problems. Was delegate to international conferences.	Pres.—Dept of Mathe- matics, The Indian Institute of Technology, Kharagpur. Perm.— Do.	Prof. of Appl Math.	TR-G.
4962	Sethuraman, Nar- ayanaswamy.	1923	B Sc. Hons (1943) M A Math. (Anna- malai—'45) L.T. (Madras—'44)	Since 1944 doing teaching work	Pres.—Alagappa College, Karaikudi. Perm.— 11, T. Singara Mudaliar Street, Thea- garayanagar, Madras 17.	Lecturer in Math.	T-NG.
4963	Shabde, Govind. Narayan	1906	M Sc. Math. (Nagpur —'30) D.Sc Math. (Nagpur —'34) D.Sc. Math (Edin- burgh—'35) F N A Sc (India) F A Sc (India)	Since 1932 teaching mathematics, published research papers on topics dealing with spherical harmonics and field theories.	Pres.—Mahakoshal Maha- vidyalaya, Jabalpur. Perm.— Do.	Principal & Professor of Math.	T-NG.
4964	Shah, Govindlal Somabhai.	1929	B Sc (Bombay—'49) M Sc Statistics. (Bombay—'51)	...	Pres.— 1098, Derji Saraya's Pole, Sankdi Sheri, Ahmedabad. Perm.— Do.	...	Un.
4965	Shah, Krishnalal Natvarlal.	1926	M Sc. Math (Bombay —'51)	5 years teaching work.	Pres.—B.V.M. College of Engineering, Vidya- nagar. Perm.— O/o Natvarlal H. Shah, Limda Pole, Baroda.	Demonstrator in Math.	T-G.

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4966	Sharma, Jhamman Lal.	1906	M.A. Math. (Allahabad—'80) D.Sc. Theory of Functions (Allahabad—'89)	Since 1933 teaching mathematics, published papers.	Pres — Govt Degree College, Nainital. Perm. — Civil Lines, Buland Shah.	Vice Principal & Head of the Dept of Math	T-i.
4967	Sharma, Prakash Chandra.	1929	M.Sc. Statistics. (Bombay—'51)	...	Pres — 9, Martind Chowk, Indore. Perm. — Do.	Lecturer in Math.	T-
4968	Sharma, Ram Babu.	1929	B.Sc. (Agra—'49) LL.B. (Agra '51) M.Sc. Math. (Agra —'52)	...	Pres — Hindu Inter College, P.O. Ataria, Distt Banda. Perm. — 1227, Kachora Bazar, Belengauj, Agra.	Lecturer in Math.	T-NG.
4969	Shastri, Nilkanth Abaji.	1904	M.Sc. (Nagpur—'27) M.Sc. (London—'29) F.A.Sc (India)	23 years teaching work to postgraduate classes, published research papers on operational calculus and mathematical analysis.	Pres — Mahakoshal Mahavidyalaya, Jabalpur. Perm. — Do.	Asstt. Prof. of Math.	T-NG.
4970	Shiva Shankara.	1903	B.A. (Delhi—'25) M.A. Math. (Punjab —'29)	Teaching to intermediate classes for the last 23 years and to degree classes for 6 years.	Pres — Raj Rishi College, Alwar. Perm. — Shankara Sadan, Alwar, Rajasthan.	Prof & Head of the Math. Dept	T-NG.
4971	Shripal Singh.	1898	B.Sc. (Allahabad—'18) M.A. Math. (Agra —'31)	Teaching work in mathematics, physics, statistics and climatology.	Pres.—Govt. Agricultural College, Kanpur. Perm. — Vill Giruha, P.O. Biswas, District Sitapur	Lecturer.	T-G.
4972	Shrivastava, A.P.	1920	B.Sc. (Nagpur) M.Sc. (Nagpur)	8 years teaching work	Pres — Military Wing, NDA, Dehra Dun Perm — C/o D.P. Shrivastava, High Court, Nagpur	Lecturer in Math.	T-G
4973	Siddiqi, Omar Ali.	1912	B.Sc. (Aligarh—'33) M.Sc. Math. (Aligarh)	Since 1935 engaged in the teaching line, published research papers	Pres — Muslim University, Aligarh. Perm. — Do.	Sr. Lecturer in Math.	T-SG.
4974	Singh, Kamala Prasad.	1919	B.Sc. (Banaras—'40) M.Sc. Math. (Banaras —'42)	7 years teaching work, published papers on theory of relativity.	Pres — Central Hindu College, Banaras Hindu University, Banaras Perm — Vill Pall, P.O. Barsathi, Distt. Jaunpur.	Lecturer in Math.	T-SG.
4975	Sinha, Chandra. Haris	1895	B.Sc. (Calcutta—'15) M.Sc. (Calcutta—'19) Assoc. of Inst of Bankers, (London —'28) Ph.D (Calcutta—'27) F.R.S.S. (London)	34 years experience in business statistics, economics and practical banking.	Pres.— Departments of Commerce and Economics, Calcutta University, Calcutta. Perm — P 75, Sardar Sankar Road, Calcutta 29.	Lecturer.	T-SG.
4976	Sitaramachandram, Challa.	1925	B.A. Math. (Andhra —'46) B.A. Statistics. (Andhra—'49) M.A. Math. (Nagpur —'50)	Since 1949 teaching mathematics.	Pres.— Andhra Polytechnic, Kakinada. Perm — 7-8-8, Rama Raopetta, Kakinada, Madras Province.	Lecturer in Math.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address(s)	Present post	Remarks
4977	Sodhi, Swinder Pal Singh.	1929	M.A. Math. (Delhi —'50)	...	Pres — Delhi College, Delhi. Perm.— Vill. & P.O Jallupur Khaira, via Beas, Distt Amritsar	Lecturer in Math.	T-NG.
4978	Somayajulu, Bulusu Sri Kameswara Rama.	1936	B.A. Hons Math (Andhra—'46)	7 years work in teaching mathematics to honour classes	Pres.—S K.O G. College, Parlakimedi. Perm.—P O Aska, Distt Ganjam, Orissa.	Sr Lecturer in Math	T-NG.
4979	Sonti, Purushotham.	1890	B A Math. (Madras —'09) M.A. Math. (Madras —'14)	Retired as Lecturer in Math Andhra University in 1935, published many papers	Pres — Gokhale Road, Maharanipeta, Visakhapatnam Perm — Do	...	Retd.
4980	Srinath, B.V.	1926	M.Sc. Statistics. (Mysore—'58)	...	Pres.— University of Mysore, Mysore Perm —186, Rama Vilas, Agrahar, Mysore.	Lecturer.	T-SG.
4981	Srinivasan, Chakrapani	1924	B A. Hons. Math (Madras—'45)	Engaged in the teaching profession since 1945.	Pres — P S G College of Technology, Peelamedu, Coimbatore. Perm — Do.	Lecturer in Math.	T-
4982	Srinivasan, T.K.	1932	B A. Hons Math (Madras—'53)		Pres — 212, Railway Quarters, Tambaram, Madras. Perm.— Do.	Tutor in Math.	T-
4983	Srinivasa Raghavan, V R	1899	B A Hons Math. (Madras—'21) L T Math. (Madras —'25)	27 years teaching work of mathematics	Pres — Madras University, Madras. Perm.— 15, Azizuddin Khan Sahib Bahadur Street, Triplicane, Madras.	Additional Prof of Math	T-SG.
4984	Srirangammana, Muthanna	1919	B.Sc (Mysore - '39) M.A. Statistics. (Mysore—'43)	7 years teaching work.	Pres.—Maharani's College, Bangalore. Perm.— Do	Lecturer in Math.	T-G.
4985	Srivastava, Grish Chandra	1929	B A (Lucknow—'47) M.A Math. (Lucknow —'49)	Design & analysis of crop-cutting experiments and sample survey.	Pres.—Agha Meer Deorhi, Lucknow City Perm.— C/o Sri Ram Srivastava, Moh Alam Nagar, Sitapur City	Statistical Assistant.	STO-G.
4986	Subbarayudu, Gangapalle.	1923	M.A. Math. (Andhra —'45)	5 years teaching work.	Pres -Govt Arts College, Anantapur Perm.— Somavarapetta, P.O. Cumbum, Distt. Kurnool.	Asstt Lecturer in Math	T-G.
4987	Subramaniam , Narayana.	1929	M.Sc. Math. (Nagpur —'49) Training in statistical methods (Calcutta)	Statistical quality control.	Pres -Statistics Division, ATIBA, Ahmedabad. Perm.— Do.	Jr. Scientific Assistant.	STO-I.
4988	Sukh Swarup.	1914	M.Sc. Math. (Agra —'39)	14 years of teaching work.	Pres.— Bundelkhand College, Jhansi. Perm.— Do.	Principal & Prof. of Math.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4989	Sundaresan, Kalpathi Subramaniam.	1929	B.A. (Madras—'48) M.A. spl. Statistics. (Madras—'51)	...	Pres — C/o G.S. Patta- biram, 'Lotus Cottage', Rock Fort, East Street, P.O. Teppakulam, Tiruchirapalli. Perm — Do.	...	Un.
4990	Suryanarayana, Ponnaluri.	1929	B.Sc. (Andhra—'47) M.A. Math. (Madras —'49)	Since 1949 lecturing to graduate and honours classes.	Pres.—Presidency College, Madras 5 Perm—Kopperapadu, P.O. Panguluru, via Veta- palem, Distt. Guntur.	Asstt. Prof. of T-G. Math.	
4991	Suryanarayana Iyer, Sankaraiyer.	1903	B.A. Hons. (Madras —'24) M.A. Math. (Madras —'30)	20 years of teaching work, published text books on mathematics.	Pres.—St. Joseph's Col- lege, Trichinopoly Perm—84, Salai Road, Woriar, Trichinopoly.	Addl Prof. of Math.	T-NG.
4992	Suryawanshi, Shan- karrao Balwantrao.	1906	B.Sc. (Bombay—'38)	Since 1938 working in the Department of Industries in Weights & Measures Section.	Pres.— Surat Divn. I, Kaupith, Surat City Perm.—C/o Director of Industries, Old Custom House Yard, Fort, Bombay.	Sr. Industries Inspector.	STO-G.
4993	Syed, Zuboorul Hasan.	1916	B.E Civil Engg. (Osmania—'39) M.A Math (Osmania —'48)	8 years teaching work.	Pres—Osmania Univer- sity, Hyderabad. Perm — 3, Hasanat, Hussaini Mohalla, Noor Khan Bazar, Hyderabad	Lecturer.	T-SG.
4994	Synghal, Kumar.	Prem 1903	B.A (Punjab) M.A. Math. (Punjab)	Teaching mathematics to graduate classes for the last 25 years.	Pres — D M. College, Moga, Distt Ferozepur. Perm — Vill & P.O. Mullanpore Mandi, Distt Ludhiana.	Vice Principal & Head of Math Dept	T-NG.
4995	Tawde, Nanasaheb	Shishir 1926	B.Sc. (Bombay—'48) M.Sc spl Statistics (Bombay—'53)	...	Pres.— Technological Laboratory, Indian Central Cotton Com- mittee, Bombay. Perm.— 99, Ram Guma, Hindu Colony, Dadar, Bombay 14	Junior Tester.	STO-SG.
4996	Tayal, Prem Prakash.	1928	B.Sc. (Agra—'50) M.Sc. Math (Agra —'52)	...	Pres —C/o B. Mithon Lal, Khatikan Street, Muzaffarnagar. Perm — Do.	...	Un.
4997	Thampuran, N R Devikumara Varma	...	B.Sc Hons. (Travan- core—'49) M.Sc Math. (Travan- core—'51)	...	Pres — Broadlands, Madras 5 Perm.—T C 60, Chakkai Ward, Kythamukku, Trivandrum	...	Un.
4998	Thawani, Detaram.	Vensi 1909	B.A Hons (Bombay —'30) B.A Hons Math. Tripos (Cantab—'33) F.R.S.S. (London)	For 5 years worked in design, analysis and interpretation of field experiments in the ICAR and for the last 13 years teaching mathe- matics & statistics and guiding research; pub- lished research papers.	Pres.— Gauhati Univer- sity, Gauhati, Assam.	Prof. of Math.	TR-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
4999	Thomas, E J.	1928	B.Sc. Math (Travancore—'48) M.Sc. Statistics (Travancore—'52)	Doing postgraduate teaching and part-time research in statistics.	Pres.—Statistical Laboratory, Trivandrum. Perm.—Enathical House, Olesha, Kottayam, Travancore.	Research Asstt	TR-SG.
5000	Tileshwar Rai.	1907	M.A. Math. (Banaras—'34) B.T (Calcutta—'42)	...	Pres.—J.P. Mehta Municipal Inter College, Banaras Perm.—Vill. Sherpur Bara, Distt Ghazipur.	Lecturer.	T-SG
5001	Tirumala, Vinjimir Lakshminarayana	1929	B.A. Hons. Math (Madras)	...	Pres.—Rangaraju, Vandalur, Distt Chingleput, Madras State Perm.—Do.	Lecturer in Math.	T-
5002	Trivedi, Jagendra Balkrishna.	1928	B.Sc. Hons (Bombay—'48)	Doing the statistical work for the department.	Pres.—Dept of Agriculture, Govt. of Kutch, Bhuj Perm.—Siddheshwar Mahadeo's Pole, Raopura, Baroda	Agriculture Statistician.	STO-G.
5003	Vaidya, Madhukar Krishna	1928	B.Sc. Hons. Math. (Poona—'52)	...	Pres.—691/28, Sadashiv, Poona. Perm.—4327, Court Lane, Ahmednagar.	...	Un.
5004	Vaidya, Chunilal Pralhad	1918	B.Sc. (Bombay—'38) M.Sc. Appl. Math. (Bombay—'40) Ph.D. Theory of Relativity. (Bombay—'49)	10 years teaching work, published a number of research papers on various topics in the theory of relativity and the unified field theory.	Pres.—Vithalbhai Patel Mahavidyalaya, Vallabh Vidyanagar, via Anand. Perm.—Bharat Bhawan, 10th Road, Khar, Bombay 21.	Prof. of Math.	TR-NG.
5005	Vaidya, Raghuban Nath Vinayak.	1899	B.A. (Allahabad—'21) B.T (Banaras—'30) M.A. Math with Astronomy. (Agra—'32)	Served as a teacher for 6 years, as Lecturer for 12 years and as Suptd Observatory Ujjain for over 10 years. Experience in (a) practical astronomy as applied in the calculation of places of planets & stars, (b) comparative study of ancient Indian & modern astronomy; published papers on panchang controversy & astronomical ephemeris of planets and other pamphlets	Pres.—Madhava College, Ujjain Perm.—78, Ganesh Bhavan, Ujjain.	Prof. of Math.	T-NG.
5006	Varma, Koyikkal Bhaskaran.	1914	M.A. Math. (Madras—'85) Ph.D. Statistics (Travancore—'50)	Economics statistics & econometrics, vital statistics, quality control, and design of experiments.	Pres.—Indian Chamber of Commerce, Mattancherry, Cochin. Perm.—Ambikalayam, Warriam Road, Ernakulam.	Statistical Officer	STO-I.
5007	Varma, Chandra Ramesh	1935	M.Sc. Appl. Math. (Saugor—'47)	...	Pres.—Govt. Engineering College, Jabalpur, Madhya Pradesh. Perm.—Do.	Asstt. Prof. of Math.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5008	Vashistha, Kalyan.	Ram 1919	B.Sc. (Agra—'44) M.Sc. Math. (Agra —'48) LL.B. (Agra—'47) C.E. (Baroda—'42)	5 years work of teaching to undergraduate & postgraduate classes in applied mathematics.	Pres.— Holkar College, Indore. Perm — Sangod, Distt. Kotah, Rajasthan.	Lecturer in Math.	T-G.
5009	Vaswani, Sundari. (Miss)	1924	B.Sc. (Bombay—'41) M.Sc. Appl. Math. (Bombay—'44) Ph.D. Math. Statistics. (London—'48)	Since 1949 engaged on the application of statistical methods to textile industry	Pres.—ATIRA, Navrang- pura, Ahmedabad 9. Perm.—C/o Mrs. Krishna Vasant, Nanik Niwas, Block II, Flat 23, 91, Warden Road, Bombay.	Asstt. Director & Head of the Statistics Division.	STO-I.
5010	Ved Prakash.	1931	B.Sc. (Agra—'49) M.Sc. Math. (Luck- now—'61) P.G training in Agri. Statistics, (I.C.A.R. New Delhi)	Sample survey work.	Pres.—Indian Council of Agricultural Research, New Delhi. Perm.— C/o Shri Govardhan Das, Advocate, Near Post Office, Muzaf- arnagar, U P.	...	...
5011	Veeraraghavan, P.	1919	M.A. Math. (Madras —'32) Dip. in Statistics. (Madras—'49)	Since 1945 engaged in the collection and com- pilation of mineral statistics.	Pres — Department of Mines, Dhanbad. Perm.— Do.	Statistician.	STO-G.
5012	Venkatachari, V.P.	1911	B.A. Math. (Osmania —'32) M.A. Math. (Osmania —'34) D.I.O (London—'48) Ph.D. Appl. Math (London—'49)	Specialized knowledge of hydrodynamics and elasticity	Pres.—Osmania Univer- sity, Hyderabad. Perm.— A-10-734, Him- ayatnagar, Hyderabad.	Prof. & Head of Dept. of Math.	TR-SG.
5013	Venkatachari, Vijaya- raghavan.	1928	B.A. Hons. Math (Travancore —'49)	Since 1949 engaged in the teaching line.	Pres.—Alagappa College, Karaikudi. Perm.— T.R.R. Vessels Shop, Karaikudi.	Lecturer in Math.	T-NG.
5014	Venkataraman, Maya- varam Krishna- murti.	1924	B.A. Hons. Math. (Madras—'45)	8 years teaching experi- ence.	Pres.—Alagappa College, Karaikudi. Perm.— Do.	Lecturer in Math.	T-NG.
5015	Venkataraman, V.	1902	M.A. Math. (Madras —'28)	Published several tech- nological articles.	Pres.— Technological Laboratory, Indian Central Cotton Com- mittee, Matunga, Bombay 19. Perm.—Block C/5, South Indian Building, Ma- tunga, Bombay 19.	Statistician.	STO-SG.
5016	Venkatesan, Kuppu- swami.	1919	B.A. Hons. (Madras —'39) M.A. Math. (Madras —'46) Dip. in Statistics. (Madras—'50)	Since 1947 teaching mathematics.	Pres.—Govt. Arts College, Madras. Perm.—18, Ramanathan Street, 'T' Nagar, Madras 17.	Asstt. Lecturer in Math.	T-G.
5017	Venkateswaran, Yeguasenan.	1926	M.A. Math. (Madras —'46)	...	Pres.— Office of the Textile Commissioner, Branch Sectt., Bombay. Perm.—Block No. 2,55/57, Vaidya Wadi, Karnik Road, Kalyan, Bombay.	...	STO-G.

## MATHEMATICS &amp; STATISTICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5018	Verma, Kamal Krishna.	1924	M.Sc. Appl. Math. (Saugor—'47)	Since 1947 teaching mathematics.	Pres.— Govt. College, Jabbalpore, Perm.— Do.	Lecturer	In T-G. Math.
5019	Verma, Purshottam Das.	1928	B Sc. (Agra—'47) M.Sc. Math. (Rajputana—'49)	Doing research work in geodesy theoretical.	Pres.— Statistical Branch, Geodetic & Training Circle, Survey of India, Dehra Dun. Perm.—O/o B. Bhagwan Swarup Verma, Near Nizamat, Alwar.	Research Fellow.	R-F.
5020	Vijayaraghavan, Tirukkannapuram.	1909	B.Sc. (Oxon.—'27) D.Phil. (Oxon.—'28) F.N.I. (India) F.A.Sc. (India) F.N.A.Sc. (India)	From 1929-50 worked in teaching mathematics and guiding research in different universities. Now conducting and guiding research; published several papers. Was President of Indian Mathematical Society and Vice-President, Calcutta Mathematical Society.	Pres.— Ramanujan Institute of Mathematics, Madras 7. Perm.— Krishna Vilas, Vepery, Madras 7.	Director.	R-NG.
5021	Vijayvergiya, Prem Narayan.	1916	B.Sc. (Agra—'35) M.Sc. Math. (Agra—'37) B.T. (Agra—'45)	Since 1937 teaching mathematics.	Pres.— Victoria College, Lashkar. Perm.— Shabd Pratap Ashram, Lashkar.	Sr. Lecturer	In T-G. Math.
5022	Viswanathan, S	1929	B A Hons. Math. (1944) B T (1949)	...	Pres.— Alagappa College, Karaikudi. Perm.— Do.	Lecturer	In T-NG. Math.
5023	Wagle, Vivekanand Vishwambher.	1925	B Sc Hons. (Bombay—'46) M.Sc. spl. Statistics. (Bombay—'59)	...	Pres.— Department of Research and Statistics, Reserve Bank of India, Bombay. Perm.— 12A, Saraswati Baug, Jogeshwari, Bombay.	Clerk.	Ucl.
5024	Wani, Kanchanlal Nanabhai.	1902	B Sc (Bombay—'28) M Sc Appl. Math. (Bombay—'80)	Since 1928 engaged in teaching mathematics, particularly higher dynamics to post-graduate classes.	Pres.— Institute of Science, Bombay. Perm.— 818, Chandavarkar Road, Matunga, Bombay 19.	Lecturer	In T-G. Math.
5025	Yadav, Haribansh Narayan.	1913	B Sc (Patna—'34) M.Sc. spl. Spectroscopy. (Patna—'36) M.Sc. Math. (Patna—'42) Ph.D. Appl. Math. (London—'49)	Since 1941 teaching physics and mathematical physics, published papers on spectroscopy and scattering problems.	Pres.— Physics Dept., Patna University, Patna. Perm.— Vill. Herudiara, P.O. Monghyr, Distt. Monghyr.	Asstt. Prof. of Physics.	TR-SG.
5026	Yawalkar, Krishna Narayanrao.	1931	M Sc. Math. (Nagpur—'48)	Cryptanalytic work.	Pres.— Joint Cipher Bureau, Ministry of Defence, New Delhi. Perm.— Sita Bhawan, Gore Peth, Nagpur 1.	Compilation Officer.	STO-G.

# PHYSICS

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5097	Abhyankar, Madhu-sudan Damodar.	1919	B.Sc. (Agra—'39) M.Sc. spl. Spectroscopy. (Agra—'41)	Teaching physics up to M Sc. classes.	Pres.— Holkar College, Indore Perm.— Do.	Sr. Lecturer in Physics.	T-G.
5098	Aggarwal, Dharam Pal.	1927	B.Sc. Hons. (Punjab —'50) M.Sc. (Punjab—'51)	...	Pres.— D.M. College, Moga Perm—5, New Town, Moga.	Lecturer in Physics.	T-NG.
5099	Agrawal, Om Prakash.	1925	B.Sc. (Agra—'48) M.Sc. Hons. Wireless. (Agra—'52)	...	Pres—8/81, Arya Nagar, Kanpur Perm.— Do.		Un.
5100	Alagiriswamy, Subramanyam.	1926	B.Sc. Hons. (Anna-malai—'48)	Since 1948 teaching up to degree classes	Pres—Govt. Arts College, Anantapur. Perm — Southern Side of Rly. Station, Kuttalam, Distt Tanjore.	Asstt. Lecturer in Physics	T-G.
5101	Anand, Bhushan. Vidya	1911	B.A. Hons. (Punjab —'29) M.Sc. (Punjab—'31)	...	Pres — Bhargava Municipal College, Simla Perm — C/o Dr. I.S. Anand, Sadar Bazar, Morar Cantt., Gwalior.	Head of Physics Dept.	T-SG.
5102	Anantapadmanabhan, K.	1920	B.Sc. Hons. (Madras —'41)	11 years teaching work.	Pres.—14, Britto Colony, Teppakulam, Trichy. Perm.— Do.	Lecturer in Physics.	T-
5103	Ananthakrishnan, Narayana Iyer.	1908	B.A. Hons. (Madras —'29)	24 years experience of teaching to inter and B.Sc. classes; published text books on heat, magnetism & electricity.	Pres.—St Joseph's College, Tiruchirapalli. Perm.— Do.	Asstt Prof. of Physics.	T-NG.
5104	Anikhindi, Ramesh Ganesh.	1924	M.Sc. Radio Physics & Electronics (Bombay—'50) Grad. Brit. I.R.E. (1951)	7 years teaching work; experience in radio-physics and electronics including designing, maintenance and installation of transmitters and receivers	Pres.— Holkar College, Indore Perm.— 89, Snehalata Ganj, Indore City.	Lecturer in Physics	T-G.
5105	Anjaneyulu, Pillutla.	1930	B.Sc. (Andhra—'50) M.Sc. Geo-physics. (Andhra—'52)	...	Pres.— C/o P. Sitarama Swamyguru, Swamy Furniture Works, P.O. Buckinghampet, Bez-wada 2 Perm.— Do.	...	Un.
5106	Arthur, Bhagyam Mangalraj.	1927	B.Sc. Hons. spl. Wireless (Madras)	Since 1946 engaged in the teaching profession.	Pres — Madras Christian College, Tambaram. Perm.—C/o E.C. Bhag-yam, 8, Mundiri Tope, Tambaram.	Demonstrator in Physics.	T-NG.
5107	Asundi, Krishna. Rango	1895	B.A. Hons. (Bombay —'17) B.Sc. (Bombay—'19) M.Sc. (Bombay—'24) Ph.D. Band Spectra (London—'29) F.N.I. (India) F.A.Sc. (India) M Amer. Phy. Soc.	Since 1917 engaged in teaching physics, now to postgraduate classes and guiding research in molecular structure and molecular spectra, published several papers on the same.	Pres.—Dept of Physics, Banaras Hindu University, Banaras. Perm.— Do.	Prof. of Spectroscopy.	TR-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5038	Ayyar, A.V. Subrahmanyam.	1909	B.A. Hons. (Madras—'25) M.A. (Madras—'42)	27 years teaching experience.	Pres.—Dept. of Physics, Sir Theagaraya College, 192, T.H. Road, Madras 21.	Lecturer in Physics.	T-NG.
5039	Baijal, Jagdish Swaroop.	1909	B.Sc. Hons. (Delhi—'50) M.Sc. (Delhi—'52)	...	Pres.— Physics Dept., Delhi University, Delhi Perm—50, Gandhi Galli, Delhi.	Research Asstt.	R-S.
5040	Bandyopadhyay, Nilendra.	1927	B.Sc. (Calcutta—'46) M.Sc. Appl. Physics. (Calcutta—'49)	Teaching physics to the intermediate and degree classes.	Pres.—Dept of Physics, Victoria College, Cooch-Behar. Perm.— 28/1A, Library Road, Calcutta.	Lecturer in Physics	T-G.
5041	Banerjee, Bibhuti Bhushan.	1928	B.Sc. Hons. (Calcutta—'43) M.Sc. Appl. Physics. (Calcutta—'45)	...	Pres.—Polytechnic, Dum Dum, Calcutta. Perm.—16, Bazaar Lane, P.O. Uttarpara, Distt Hooghly.	...	T-G.
5042	Banerjee, Bindu Madhab.	1917	B.Sc. Hons. (Calcutta—'37) M.Sc. (Calcutta—'39)	Radio communication & engineering and electronic circuitry; published papers on the same.	Pres.— Institute of Nuclear Physics, 92, Upper Circular Road, Calcutta 9. Perm.—75, Barrackpore Trunk Road, Calcutta 9.	Reader in Instrumentation	ST-G.
5043	Banerjee, Birendra Chandra.	1926	M.Sc. spl Elec Commun & Radio (Calcutta—'47)	Papers published on dipole moments of metallic soaps.	Pres.—28A, Sasibhusan Dey Street, Calcutta 19. Perm.—68, Subas Nagar Road, Dum Dum Cantonment, Calcutta 28	...	Un.
5044	Banerjee, Sudhanshu Shekhar.	1908	M.Sc. spl. Wireless. (Banaras—'31) D.Sc. Radio Physics. (Banaras—'37)	Since 1937 engaged in teaching radio physics, radio communications and electronics; guiding researches on radio communications and published several papers in the field of propagation of radio waves, ionospheric studies and construction of special types of radio apparatus.	Pres.—Engineering College, Banaras Hindu University, Banaras. Perm.— 'Saroj', 20/1C, BHELUPUR, Banaras.	Prof. of Commun. Engg & Applied Physics	TR-SG.
5045	Banerji, Ranen Bihari.	1928	B.Sc. Hons. (Patna—'47) M.Sc. spl. Elec. Commun. & Radio (Calcutta—'49)	Working on ionospheric problems, published papers on the same.	Pres.—19A, Palit Street, Calcutta 19. Perm.— C/o Dr. G. Bandyopadhyay, Indian Institute of Technology, Kharagpur.	Research Scholar.	R-S.
5046	Basak, Bhupendra Nath.	1909	B.Sc. Hons. (Calcutta—'22) M.Sc. (Calcutta—'24)	...	Pres.—Scottish Church College, Calcutta. Perm.—17B, Indra Biswas Road, P.O. Belgachia, Calcutta.	Professor.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5047	Basha, Moinuddin, Syed	1929	B.Sc. (Madras—'47) B.A. Hons. (Madras —'53)	6 years teaching work.	Pres.—Govt. Arts College, Anantapur. Perm.—Door No. 4/79, Gulzarpet, Anantapur.	Demonstrator in Physics	T-G.
5048	Bhogavulu, Durva- sula.	1898	B A. Physics. (Madras —'19) M.A. Physics. (Cal- cutta—'24)	Since 1919 engaged in teaching physics.	Pres.— Dasannapeta, Vizianagaram, Madras Perm.— Do.	Lecturer	T-
5049	Bhajan Singh.	1928	B Sc. (Punjab—'48) B Sc. Hons. (Punjab —'61) M Sc. (Punjab—'52)	...	Pres.— S G.T B. Khalsa College, Karol Bagh, Delhi 5 Perm.— Vill & P.O. Padhiana, Distt Jul- lundur.	Lecturer in Physics.	T-N.G.
5050	Bhan, Mahendra Kumar.	1919	B.Sc. (Agra—'98)	Testing, standardization and designing of electrical & thermal equip- ments.	Pres.— T.D.E. Lab., Kanpur. Perm.— 96/51, Gillis Bazar, Kanpur.	Sr. Scientific Assistant	STO-G.
5051	Bharadwaj, Hari Shankar.	1930	B.Sc. Hons. (Delhi —'49) M Sc (Delhi—'51)	Doing research in cosmic rays.	Pres.—Dept. of Physics, University of Delhi, Delhi. Perm.— XII 234, Subzi- mandi Bazar, Delhi.	Research Asstt	TR-SG.
5052	Bhargava, Bhupendra Nath.	1919	B.Sc. (Agra—'41) M.Sc. sp. Wireless Engg. (Allahabad —'48) M Sc Elec Commun. Engg. (Ohio, U.S.A. —'47)	Ionospheric radio propa- gation, electronics and magnetism.	Pres.— Solar Physics Observatory, Kodai- kanal, S.I. Perm.— 'Kothi', P.O. Sadabahad, District Mathura.	Meteorologist	R-G.
5053	Bhaskaramamurty, Dasika.	1931	B.Sc. (Andhra—'49) M Sc sp. Wireless. (Saugor—'52)	...	Pres.— O/o Shri D Krishnamurty, Sub Post Master, Tanuku, Distt. West Godavari. Perm.— Ramaraopetta, P.O. Kakinada, Distt. East Godavari	...	Un.
5054	Bhatia, H R.	1911	B.A. Hons. (Punjab —'30) M.Sc. (Punjab—'39) B.T (Punjab—'34)	Teaching physics to degree and postgra- duate classes for the last 17 years and guiding research in cosmic rays and nuclear physics.	Pres.—Punjab University College, Hoshiarpur Perm.— Do.	Lecturer in Physics	TR-SG.
5055	Bhatnagar, Shyam Sunder Pershad.	1931	M.Sc. sp. Spectro- scopy. (Delhi—'45)	Since 1945 teaching phy- sics.	Pres.— J.S.W., N.D.A., Clement Town, Dehra Dun Perm.— Do.	Lecturer in Physics.	T-G.
5056	Bhatt, Mahendaray Pramudray.	1920	M.Sc. (Bombay—'51)	...	Pres.— Physics Dept., J. & J. College of Science, Nadia Perm.— Bhaidas Mehta Street, Sagarpura, Surat.	Lecturer in Physics.	T-N.G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5057	Bhattacharya, Pares Chaudra.	1918	B.Sc. (Calcutta-'35) M.Sc. (Calcutta-'37) D.Sc. (Calcutta-'48)	Specialization in nuclear physics and cosmic rays. Teaching above subjects to post-graduate classes since 1948 and conducting researches, published several papers Recipient of Premchand Roychand studentship in 1948	Pres.—Calcutta University, Calcutta. Perm.— 7/A, Birchand Goswami Lane, Calcutta 5	Lecturer in Physics.	TR-SG.
5058	Bhattacharyya, Apurba Nath.	1918	B.Sc. Hons. (Calcutta-'39) M.Sc. spl. Wireless. (Calcutta-'41) LL.B. (Calcutta-'52)	Examination of technical specifications accompanying patent applications, writing abridgements and classifying specifications	Pres.—Office of the Controller of Patents, Calcutta. Perm—P.O. Purbasthali, Distt. Burdwan.	Examiner of Patents	STO-G.
5059	Bhattacharya, Heramba Nath.	1928	M.Sc. Elec. Power Engg. (Calcutta-'51)	...	Pres.— O/o Sri A.B. Bhattacharya, Distt Board, P.O. Purulia, Distt. Manbhum. Perm.— Do.	...	Un.
5060	Bhaumik, Sutesh Bhushan.	1927	B.Sc. (Calcutta-'46) M.Sc. (Calcutta-'49)	...	Pres.—Aravind Colony, P.O. Barasat, Distt. 24 Parganas. Perm.— Do.	Research Scholar	R-S.
5061	Bhawalkar, Devidar Raghunathrao.	1908	M.Sc. Ph.D. (London) M Amer. Phy. Soc.	Worked for 6 years on industrial research problems and 4 years in advising the industry. For the last 8 years teaching to postgraduate classes and guiding research students. Specialized in X-rays & spectroscopy and published papers on luminescence, semi conductors and X-rays.	Pres.— University of Saugor, Saugor. Perm.— Do.	Reader in Physics & Head of the Dept	TR-SG.
5062	Biswas, Birendra Chandra.	1920	B.Sc. Hons. (Calcutta-'45) M.Sc. spl. X-ray. (Calcutta-'49)	Worked for 4 years in the teaching line Now doing X-ray radiography and meteorology work.	Pres.— T.D.E. Labs., Kanpur. Perm.—O/o Girindra Ch. Shome, Vill. Kacharghat, P.O. Kailashahar, Tripura.	Sr. Scientific Assistant	STO-G.
5063	Biswas, Chandra. Purna	1895	B.Sc. Hons (Calcutta-'16) M.Sc. (Calcutta-'18)	33 years of teaching experience to B.Sc. classes.	Pres.— College of Engineering & Technology, Jadavpur College, Calcutta. Perm.—P.O. Swarupganj, Distt. Nadia, West Bengal.	Professor of Physics.	T-NG.
5064	Borgaonkar, Sadashiv Shamrao.	1909	B.Sc. (Agra-'30) M.Sc. spl. Wireless. (Allahabad-'34)	Since 1936 teaching physics.	Pres.— Holkar College, Indore. Perm.— Do.	Sr. Lecturer in Physics	T-G.

## PHYSICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5065	Bose, Ajit Kumar,	1918	B.Sc. Hons. (Calcutta—'87) M.Sc. spl. Elec. Commun. & Radio. (Calcutta—'41)	Inspection of electrical and radio stores mainly primary and secondary batteries.	Pres.—T.D.E., Cossipur. Perm.—C/o Sri M.N. Bose, P.O. Basirhat, Basirhat Bazar, 24 Paraganas.	Chargeman.	STO-G.
5066	Bose, Debendra Mohan,	1885	M.A. (Calcutta—'06) B.Sc. Hons. (London—'12) A.R.C.S. (London—'12) Ph.D. (Berlin—'19)	From 1919-38 worked as Professor of Physics, Calcutta University and 1938 to-date as Director, Bose Institute. Specialization in nuclear physics, cosmic rays, para-magnetism, photo-magnetism, biophysics, plant physiology, plant biochemistry and published several papers on the above subjects; was President of the Indian Science Congress.	Pres.—Bose Institute, Director. Perm.—92/3, Upper Circular Road, Calcutta.	STA-NG. R-NG.	
5067	Chacko, M.V.	1896	M.A. spl. Wireless (Madras—'19)	32 years teaching experience.	Pres.—1153, Mede's Lane, Cantonment, Trivandrum. Perm.—Kizhekkennuthoor, Thiruvella.	...	Retd
5068	Chakraburty, Debangshu Mohan.	1930	B.Sc. (Calcutta—'49) M.Sc. spl. Wireless (Calcutta—'51)	Doing research work in X-ray crystallography.	Pres.—14B, Palmer Bazar, Research Road, Calcutta 15. Perm.—Do	Research Scholar.	R-S.
5069	Chakrabarti, Birendra Kumar.	1909	B.Sc. Hons. (Calcutta—'29) M.Sc. (Calcutta—'31)	Physics (spectroscopy), applied statistics, mathematics, textile physics and testing with special reference to jute; published several papers on the above subjects.	Pres.—Institute of Jute Technology, 95, Ballygunge Circular Road, Calcutta 19. Perm.—2, Ram Chandra Das Row, P.O. Dharamtola, Calcutta 18.	Sr. Lecturer and Head of the Dept. of Textile Science.	TR-SG.
5070	Chakraborti, Subodh Chandra.	1916	M.Sc. (Dacca—'37) B.T.	Teaching physics for the last 12 years.	Pres.—M.B.B. College, Agartala. Perm.—Agartala, Tripura.	Professor of Physics.	T-NG.
5071	Chandele, Hakim Singh.	1918	B.Sc. (Allahabad—'38) B.Sc. Hons. (Allahabad—'39) M.Sc. spl. Spectroscopy. (Allahabad—'41)	Since 1948 doing teaching work.	Pres.—Military Wing, N.D.A., Dehra Dun. Perm.—Vill. Jhalpur, P.O. Sasni, District Aligarh.	Instructor in Science.	T-G.
5072	Chandy, Karukayil Chandy.	1928	B.Sc. (Travancore—'47) M.Sc. spl. X-rays. (Saugor—'59)	Since 1947 engaged in the teaching line.	Pres.—Hilop College, Nagpur. Perm.—Karukayil House, Edathua, T.C. State.	Lecturer in Physics.	T-G.
5073	Chatterjee, Aparnab.	1924	B.Sc. Hons. (Calcutta) M.Sc. (Calcutta)	X-ray analysis of fibres and crystal structure, published papers on various aspects of luminescence of solids and on the investigation of fibres.	Pres.—Technological Research Laboratory, 12, Regent Park, Tollygunge, Calcutta 33. Perm.—Schooldanga, P.O. Bankura.	Jr. Research Assistant.	R-SG.

## PHYSICS—contd.

S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5074	Chatterjee, Krishna.	Atul 1903	B.Sc. (Calcutta—'26) M.Sc. spl. Wireless. (Calcutta—'26)	Served in the A.I.R as Acoustic Engineer for 16 years. Experience in acoustics, recording of sound on films, differ- ent type of micro- phone & loudspeakers, valves, etc.	Pres.— 18, Kamarpara Lane, P.O. Barragore, Calcutta 86. Perm.— Do.	...	Un.
5075	Chatterjee, Biswanath	1939	B.Sc. Hons (Calcutta —'49) M.Sc. Radio Physics & Electronics. (Calcutta —'51) Grad Brit I R E, spl. Television (1951)	Working on ionospheric problems and design of electronic equipments & circuits, published sev- eral papers.	Pres.—Institute of Radio- physics & Electronics, Calcutta University, Calcutta Perm.—32/1, Kashi Nath Datta Road, Calcutta 86.	Sr. Research Training Scholar.	R-S.
5076	Chatterjee, Saran.	Jnan 1920	M.Sc. spl. Radio Commun. (Calcutta —'48) Dip. of Marconi Col- lege (1946)	Researches in radar and television, published papers.	Pres.—Institute of Radio Physics & Electronics, Calcutta University, Calcutta. Perm.— Vill. & P.O. Uchalan, Burdwan.	Lecturer.	TR-SG.
5077	Chatterjee, Prakas	Kumar. 1909	M.Sc. spl. Wireless (Calcutta—'38)	...	Pres — Surendranath College, Calcutta. Perm.— 26, Harrison Road, Calcutta 9.	Lecturer.	T-NG.
5078	Chatterjee, Rabindra Nath	1922	B.Sc. Hons. (Calcutta) M.Sc. spl. Commun Engg (Calcutta)	Conversant with the maintenance & installa- tion of aeronautical radio and radar equip- ments.	Pres.— Central Radio Stores Depot, Civil Avia- tion Dept., New Delhi. Perm.—84A, Russa Road, Tollygunge, Calcutta 83.	Asstt. Tech. Officer.	STO-G.
5079	Chatterjee, Syamadas	1909	D.Sc (Calcutta—'46)	Nuclear physics parti- cularly in connection with neutrons, published papers mostly in nu- clear physics & cosmic rays	Pres — Department of Physics, University College of Science, Calcutta. Perm.—91, Ballygunge Place, Calcutta 19.	Lecturer in Physics.	T-SG.
5080	Chatterji, Prosad.	Tara 1908	B.Sc. Hons. (Calcutta —'28) M.Sc. (Calcutta—'30)	Since 1931 engaged in teaching physics.	Pres — Victoria College, Cooch Behar. Perm.— Do.	Asstt Prof. of Physics.	T-G.
5081	Chaudhuri, Kulada- prasad.	1898	M.Sc. (Calcutta—'21)	39 years teaching work.	Pres.— Raj College, Burdwan. Perm — Do.	Prof. & Head of Physics Dept.	T-NG.
5082	Chaudhury Manujen- dra Lal.	1925	B.Sc. (Calcutta—'45) M.Sc. spl. Nuclear- Physics. (Calcutta —'48)	Carrying research work in theoretical nuclear physics, published papers.	Pres.—Dept. of Theore- tical Physics, Indian Association for the Cultivation of Science, Jadavpur, Calcutta, 32. Perm.— Vill. Boalia, P.O. Fartabab, 24 Parganas.	Sr. Research Scholar.	R-S.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5088	Chiplonkar, Vasant Trimbak.	1919	B.Sc. (Bombay—'32) M.Sc. (Banaras—'34) Ph.D. (Banaras—'47)	Since 1948 teaching physics, specialisation in discharge phenomenon in gases at low pressure and spectroscopic & other studies with positive rays, published many papers on the above subjects.	Pres.— M.N. College, Visnagar. Perm.— 436, Narayan Peth, Poona City.	Lecturer in Physics.	T-NG.
5084	Chitale, Shridhar Vitthal.	1903	B.Sc. (Allahabad—'25) M.Sc. spl. Wireless (Allahabad—'27) LL.B. (Agra—'31)	Teaching physics to various classes including postgraduate since 1947.	Pres.— Holkar College, Indore Perm.— Do.	Prof. & Head of the Dept. of Physics.	T-G.
5085	Choubey, Shambhoo Dayal.	1914	B.Sc. (Agra—'37) M.Sc. spl. Spectroscopy. (Agra—'39)	12 years teaching work.	Pres.— Madhay College, Ujjain Perm.— Tarsokhar, Distt Bhind, M.B	Prof. & Head of the Dept. of Physics.	T-
5086	Choudhuri, Binoy Kanta.	1911	B.Sc. (Calcutta—'31) M.Sc. spl. X-ray & Crystallography (Calcutta—'34)	Metallic coatings-production and testing.	Pres.— T.D.E. Laboratory, Kanpur Perm.— 109/280, Ramkrishnagar, Kanpur	Jr. Scientific Officer	STO-G.
5087	Choudhury, Sailendra Nath.	1921	M.Sc. (Calcutta—'45)	...	Pres.— Raj College, Burdwan Perm.— Khosbagan, Burdwan	Prof. of Physics.	T-NG.
5088	Dani, Manohar Jagannath.	1925	B.Sc. Hons. (Saugor—'50)	...	Pres.— Govt. Science High School, Amravati Perm.— C/o N.S. Kharapate, 282, Wright Town, Jabalpur.	Asstt. Master	T-G.
5089	Daniel, Ranjan Roy.	1923	B.Sc. (Madras—'43) M.Sc. spl. Wireless (Banaras—'46)	Doing research on cosmic rays and published papers	Perm.— C/o M.A. Daniel, Rachel Street, Nagercoil, Travancore.	...	R-S.
5090	Das, Bansi Ram.	1911	M.Sc. (Dacca—'36)	Since 1941 teaching physics.	Pres.— Cotton College, Gaubati. Perm.— Do.	Lecturer in Physics	T-G.
5091	Das, Nirmalya Bhushan	1926	B.Sc. Hons. (Calcutta—'47) M.Sc. Appl. Physics (Calcutta—'49)	Design and development of test instruments	Pres.— T.D.E. (I & E), Raipur, Dehra Dun Perm.— C/o Sj. Sristidhar Das, Nilganj Road, P.O. Belgharia, 24, Parganas	Chargeman.	STO-G.
5092	Das, Ranjit Kumar.	1924	M.Sc. (Calcutta—'46) D.Phil. (Calcutta—'51)	Engaged in investigation on problems of nuclear physics especially magnetism	Pres.— Institute of Nuclear Physics, 92, Upper Circular Road, Calcutta 9. Perm.— P.O. Karimganj, Distt Cachar, Assam	Lecturer in Nuclear Physics.	T-SG.
5093	Das Gupta, Ganesh Chandra.	1920	B.Sc. Hons. Physics (Calcutta—'40)	Inspection of small arms ammunition and conversant in handling precision measuring instruments.	Pres.— T.D.E. L, Kanpur. Perm.— 19B, S.R. Das Road, P.O. Kalighat, Calcutta.	Asstt. Foreman.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5094	Dash, Satya Rajan.	1905	B.Sc. Hons (Calcutta—'16) M.Sc. (Calcutta—'30)	...	Pres.— Scottish Church College, Calcutta Perm.— 200/1A, Rash Behary Avenue, Calcutta 29.	Professor of Physics.	T-NG.
5095	Dashora, Taru Lal.	1927	M.Sc. spl Wireless. (1952) LL.B. (Rajputana—'49)	...	Pres.— M.B.M. Engineering College, Jodhpur Perm.— C/o Shree Yamuna Lal Dashora, Moti Chokhatua, Udaipur.	Lecturer in Physics	T-G.
5096	Datta, Abinash Chandra	1907	M.Sc. (Calcutta—'30)	Since 1936 teaching physics	Pres.— Raj College, Burdwan. Perm.— North Gate, Professors Quarters, Burdwan.	Professor of Physics.	T-NG.
5097	Datta, Snehamoy	1894	M.Sc. (Calcutta—'15) D.I.C. (London—'21) D.Sc. (London—'24) F.N.I. (India) F.N.A.Sc. (India)	Served as Professor of Physics and retired as Director of Public Instruction. Experience in spectroscopy and published a large number of papers on the same & text books in physics	Pres.— Calcutta University, Calcutta. Perm.— 39, Hindusthan Park, Calcutta 29.	Registrar	STA-SG.
5098	Datta, Upendra Kumar.	1903	B.Sc. Hons. (Dacca—'26) M.Sc. (Dacca—'27)	Since 1929 teaching physics to intermediate and graduate classes	Pres.— Cotton College, Gauhati. Perm.— Professorpara, P.O. Gauhati.	Professor of Physics.	T-G.
5099	De, Prabhulla Kumar	1925	B.Sc. (Calcutta—'45) M.Sc. spl Elec. Commun. & Radio (Calcutta—'48)	Since 1948 teaching physics	Pres.— City College, Calcutta. Perm.— Lalbagan, Chandernagore.	Demonstrator in Physics.	T-NG.
5100	Debroy, Rabu Bhushan.	1928	B.Sc. (Calcutta—'49) M.Sc. spl Elec. Commun. & Radio. (Calcutta—'52)	...	Pres.— Town Hotel, Kandi, Murshidabad. Perm.— College Road, Silchar, Kachar, Assam	Demonstrator	T-
5101	Deo, Ramchandra Gajanan.	1929	B.Sc. (Agra—'50) M.Sc. spl Wireless (Lucknow—'52)	...	Pres.— Holkar College, Indore. Perm.— Shende's Bara, Naya bazar, Lashkar, Gwalior.	Jr. Lecturer in Physics.	T-G.
5102	Desai, Dinubhai Dadubhai.	1912	B.Sc. (Bombay—'33) M.Sc. spl Spectroscopy (Bombay—'37) Ph.D. Spectroscopy (Bombay—'52)	14 years work of teaching physics to undergraduate classes.	Pres.— Institute of Science, Bombay I. Perm.— Desai Building, Savli, Distt Baroda.	Asstt Lecturer in Physics	T-G.
5103	Deshpande, Narayan Wamanrao (2/Lt.)	1924	B.Sc. (Bombay—'47) M.Sc. spl Spectroscopy & Radiation. (Poona—'50)	...	Pres.— Madras Area (Indep.) S.G. Coy., St Thomas Mount, Madras 16. Perm.— 1222, Saraf Galli, Shahapur, Belgaum.	Wireless Officer.	STO-G.
5104	Dev Datt	1912	B.A. (Punjab—'38) M.Sc. (Punjab—'56)	Since 1940 teaching physics.	Pres.— Khalsa College, Amritsar. Perm.— Do.	Lecturer.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks.
5105	Devi Das, Narayan- ier.	1929	B.Sc., Hons., spl. Wireless. (Madras —'50)	...	Pres.— 'Sri Nilayam', Manjeri, S. Malabar, Perm.— Do.	...	Un.
5106	Dhar, Sobhana.	1928	B.Sc., Hons. (Calcutta —'45) M.Sc., spl. Nuclear Physics & Cosmic Radiation. (Calcutta —'47)	Teaching & carrying on research work in nu- clear physics.	Pres.—Lady Brabourne College, Calcutta. Perm.— Flat No. 9, Block D, Entally Govt. Housing Estate, Cal- cutta 14.	Prof & Head of the Dept. of Physics.	TR-G.
5107	Dharmatti, Shrinivas Shridhar.	1911	M.Sc. (Bombay—'86) Ph.D. (Bombay '39) F. Inst. P. (London) F. Amer. Phy. Soc.	Research in magnetism and atomic, nuclear & molecular physics, pub- lished several papers.	Pres.— Tata Inst of Fundamental Research, Pier Road, Bombay 1 Perm. P.O. Durdundi, via Ghatprabha, Distt. Belgaum, Bombay	Reader in Physics.	R-NG.
5108	Dheer, Gyan Swarup.	1927	B.Sc. (Lucknow—'49) M.Sc. spl. Wireless (Lucknow)	...	Pres — 10, MacRobert Ganj, Kapur Perm.— Do.	Lecturer.	T-
5109	Dhillon, Nishan Singh.	1928	B.A. Physics. (Punjab —'49) B.Sc. Hons. (Punjab —'51) M.Sc. (Punjab—'52)	...	Pres.—Layallpur Khalsa College, Jullundur City Perm — Vill Chak Malir, via Tarn-Taran, P.O. Jameyra, District Amritsar.	Lecturer in Physics.	T-NG.
5110	Dua, Pran Nath.	1914	B.A. Hons. (Punjab —'35) M.Sc (Punjab—'97)	Worked for 10 years in teaching physics Now engaged in the manu- facture of scientific apparatus.	Pres.—National Scienti- fic Instruments Co., Subzimandi, Delhi 6 Perm.—87/88, U B Block, Kamla Nagar, Subzi- mandi, Delhi 6.	Proprietor.	STO-P.
5111	Dube, Ganesh Prasad.	1914	B.Sc. (Allahabad—'33) M.Sc. (Allahabad—'35) M.Sc. (Cantab —'39) F. Inst. P. (London) F.A.Sc. (India) F.N.A.Sc. (India)	Since 1935 engaged in teaching physics and guiding research, publis- hed several research papers mainly on hydro- phobic colloidal parti- cles.	Pres.—Patna University, Patna. Perm.— Do.	Prof & Head of the Univer- sity Dept of Physics	TR-SG.
5112	Duggal, Baldev Dutt.	1927	B.A. (Punjab) M.Sc. (Banaras)	...	Pres—Ramgaria College, Phagwara, PEPSU Perm — Vill. & P.O. Hadisabud, via Phag- wara, PEPSU.	Lecturer in Physics.	T-NG.
5113	Dutt, Sudhir Kumar.	1914	B.Sc. Hons. (Patna —'35) M.Sc. spl. Radio Physics. (Patna—'38)	For the last 10 years teaching physics to undergraduate and post- graduate classes and carrying on research on ionosphere, publish- ed papers on the same.	Pres.— Science College, Patna Perm.— Do.	Asstt. Prof. of Physics.	TR-G.
5114	Dutta, Arun Kumar.	1908	B.Sc. Hons. (Dacca) M.Sc. (Dacca—'25) D.Sc. (Allahabad—'39) F.N.I. (India)	Specialized knowledge of molecular spectroscopy & ultrasonics and published many papers on the same.	Pres.— Bawenshaw Col- lege, Outack. Perm — Do	University Prof of Physics.	TR-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present posts	Remarks
5115	Dutta, Purnendu.	1926	M.Sc. Appl. Physic. (Calcutta—'51)	...	Pres.—Q/10/C, Dangapara, Kanchrapara, 24 Par- ganas. Perm.— Do.	...	Appr.
5116	Dutta, Nath. Sourendra	1914	M.Sc. spl. Wireless Commun. (Calcutta —'37) M.Sc. spl. Meter & Instruments Engg (Calcutta—'44)	Worked for 19 years in the teaching line at various institutions; experience in communica- tion engineering and electrical measurements	Pres.—P. 30, New Sham Bazar Street, P.O. Shambazar, Calcutta Perm — Do.	...	Un.
5117	Dutta, Sudhendu Kumar.	1907	M.Sc. (Calcutta—'39)	Doing metallurgical tests, investigations and research; also statistical quality control.	Pres.—T.D.E.L., (Metal- lurgy), Ishapore. Perm.—Bungalow No. 68, P.O. Barrackpore, Distt. 24 Parganas.	Foreman.	STO-G.
5118	Fatehally, Rafeeq A.	1925	B.Sc. (Bombay—'46) M.Sc. (Birmingham —'49) Training in Commun. Engg. (C & G London—'50)	...	Pres.—Saugor University, Saugor. Perm. — 61B, Pali Hill, Bandra, Bombay 20.	Lecturer in Physics.	T-SG.
5119	Ganguly, Chandra. Satish	1911	B.Sc. (Calcutta—'33) M.Sc. (Calcutta—'35) D.Phil. (Calcutta —'49)	Teaching to intermediate and B.Sc. classes, pub- lished papers in physical journals.	Pres.— Bangali College, Calcutta. Perm — 18/22 P, Hasra Lane, Calcutta.	Prof of Phy- sics	T-NG.
5120	Garudachar, Bindigili- navale Krishnaien- gar.	1923	B.Sc. Hons. (Mysore —'42) M.Sc. spl. Electro- magnetic radiations (Mysore—'48)	...	Pres.— T.D.E. (Textile & Clothing) P.O. Box No. 294, Kanpur. Perm.— Flat No. 20, Shivlal Motilal Build- ings, Bellasis Road, Bombay 8.	Sr. Scientific Assistant.	STO-G.
5121	Ghosh, Bhabani Prasad.	1926	M.Sc. spl. Advanced Measurements & Standardization. (Calcutta—'49)	Design, development, precision measurements, maintenance & calib- ration of electronic and electrical equip- ments.	Pres.—Calibration Centre, T.D.E. (I & E), Raipur, Dehra Dun. Perm.— P.O. Diamond Harbour, Distt. 24 Parganas.	Chargeman.	STO-G.
5122	Ghosh, Nath. Brajendra	1912	B.Sc. (Calcutta—'34) M.Sc. (Calcutta—'36)	Published papers on uni- versal length & uni- versal momentum and text books on optics	Pres.— Hooghly Mohsin College, Chinsurah, W. Bengal. Perm.— C/o Mr. M.N. Ghosh, Advocate, 79, Manicktolla Street, Calcutta 8	Asstt. Prof. of Physics.	T-G.
5123	Ghosh, Gopal Ranjan.	1925	B.Sc. (Calcutta—'47) M.Sc. spl. Radio Com- mun. (Calcutta—'49)	...	Pres.—C/o T.D.E. (Ins- truments & Elec- tronics), Raipur, Dehra Dun. Perm.— 44/3, Ironside Road, Ballygunge, Cal- cutta 19.	Asstt. Fore- man.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5124	Ghosh, Satyendra Nath.	1918	M.Sc. spcl. Radio Commun. (Calcutta-'40) M.Sc. Appl. Math. (Calcutta-'42) D.Sc. Physics. (Calcutta-'48)	Conducting research in radio wave propagation, upper atmosphere, microwave spectroscopy, paramagnetic resonance and collisional cross sections; published several papers on these subjects.	Perm.- 12, Lake Temple Road, Calcutta 29.	Physicist.	R-
5125	Ghosh, Sukumar	1998	B.Sc. Hons. (Calcutta-'47) M.Sc. spcl. Line & Radio Engg. (Calcutta-'49)	...	Pres.— Advanced Acoustic Laboratory, Presidency College, Calcutta 12. Perm.— 7, Baburam Ghosh Lane, Calcutta 5.	Demonstrator in Physics.	T-G.
5126	Goswami, Mathura Mohan.	1925	M.Sc. (Calcutta-'49)	Teaching physics upto degree classes.	Pres.— Brook Haven Cottage, Dhankheti, Shillong. Perm.— P.O. Lahoal Dibrugarh, Assam.	Lecturer in Physics.	T-
5127	Goswami, Satyendra-nath.	1927	B.Sc. (Calcutta-'48) M.Sc. spcl. Wireless Commun. & Radio (Calcutta-'50)	...	Pres.— Barasat Govt College, Barasat, 24 Parganas Perm.— Lalapur, P.O. Millki, Distt Malda.	Lecturer in Physics.	T-NG.
5128	Guha, Charan. Amulya	1910	B.Sc. Hons. (Dacca—'32) M.Sc. (Dacca—'33)	Researches in photo-dissociation and X-ray crystallography, published papers on the same.	Pres.— K.N. College, Berhampur, W. Bengal Perm.— Cautonment Ward, P.O. Berhampur, W. Bengal.	Sr. Prof. of Physics.	TR-NG.
5129	Guha, Charan. Bhabani	1894	B.Sc. (Dacca—'15) M.Sc. (Dacca—'17)	Over 25 years teaching experience.	Pres.— Siliguri College, Siliguri, Darjeeling. Perm.— 65, Jainabddy Mistry Lane, Calcutta	Principal.	T-NG.
5130	Guha, Hari. Dharma	1911	B.Sc. Hons. (Dacca—'39) M.Sc. (Dacca—'44)	..	Pres.— Jhargram Agricultural College, P.O. Jhargram, Distt. Midnapore, W. Bengal. Perm.— 57, Shambazar Street, Calcutta 4.	Lecturer in Physics.	T-G.
5131	Gupta, Atma Ram.	1928	B.A. (Delhi—'42) M.Sc. Physics. (Delhi—'44)	Since 1944 engaged in teaching work.	Pres.— Mayo College, Ajmer. Perm.— 2708/IX, Churawala, Delhi.	Asstt. Master	T-G.
5132	Gupta, Chunnilal Hirala.	1926	B.Sc. (Nagpur—'47) M.Sc. (Nagpur—'51)	Since 1951 teaching physics.	Pres.— Hislop College, Nagpur Perm.— Vill. & P.O. Anjee, Distt. Wardha.	Lecturer in Physics.	T-G.
5133	Gupta, Jai Bhagwan Dass.	1991	B.Sc. (Banaras—'49) M.Sc. spcl. Spectroscopy. (Banaras—'52)	...	Pres.— Ramjas College, Delhi. Perm.— Old Market, Kairana, Distt. Muzaffar Nagar.	Lecturer in Physics	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5134	Gupta, Chandra Pooran	1911	B.Sc. (Allahabad-'31) M.Sc. (Lucknow-'38) B.T. (Banaras—'35)	8 years teaching work.	Pres.—Govt. Degree College, Nainital. Perm.—Chandra Bhawan, D.A.V. College Road, Dehra Dun.	Asstt. Prof. of Physics.	T-G.
5135	Gupta, Ramgopal.	1929	B.Sc. (Rajputana-'50) M.Sc. (Agra—'52)	...	Pres.— C/o Babu K L. Maheshwari, 81/80, Ghumanai Mohal, Kanpur. Perm.—C/o B. Suraj Bhan, 2068, Jali ka Katra, Motikattra, Agra.	...	Un.
5136	Haldar, Kanti, Chiumoy	1916	B.Sc. (Calcutta) M.Sc. Appl. Physics. (Calcutta)	Manufacture and calibration of precision measuring instruments and statistical quality control, written papers on standards of weights and measures in India	Pres.— Directorate of Technical Development (Weapons), Cossipore, Calcutta. Perm.— 126/8, Narsing Dutt Road, Howrah.	Asstt Supdt of Development	STO-G.
5137	Handa, Sudarshan Kumar	1931	B.Sc. (Agra—'50) M.Sc. spl. Wireless. (Agra—'52)	...	Pres.— 11/260, Souter Ganj, Kanpur. Perm.—Sterling Lock Co., Prem Nagar, Aligarh.	..	Un.
5138	Hans, Harnam Singh.	1932	B.A. (Punjab—45) M.Sc. (Banaras—'48)	Engaged for the last 2 years in cosmic rays research.	Pres.— Physics Dept., Muslim University, Aligarh. Perm.— C/o Shri Tota Ramji Hans, 82, Chirmar, Nakoder, Punjab.	Sr. Research Scholar.	R-S.
5139	Hardial Singh.	1926	B.Sc. (Delhi—'47) M.Sc. spl. Wireless. (Rajputana—'50)	3 years teaching work.	Pres.—C/o S. Ram Singh, Vill. Naengal Khurd, P.O. Pakhowal, Distt. Ludhiana.	Prof of Physics	T-
5140	Hari Kant.	1932	B.Sc. (Lucknow—'49) M.Sc. spl. Wireless & Electronics. (Lucknow—'51)	...	Pres.—C/o B. Kailash Chandra, Dr. Nigam's Buildings, Kundri, Rakabganj, Lucknow. Perm.— Do.	...	Un.
5141	Hari Singh (Lt Col.)	1919	B.A. (Punjab—'37) B.Sc. Hons. (Punjab—'39) M.Sc. (Punjab—'40)	...	Pres.— Y.L. of C Sig. Regt, C/o 56 APO, New Delhi. Perm.— Do	Officer Commanding.	STO-G.
5142	Harnam Singh.	1916	B.Sc. (Punjab—'37)	Inspection, design and development of primary and secondary batteries, electrical instruments and accessories.	Pres.—T.D.E. (I & E), Sunderwala Camp, Dehra Dun. Perm.— C/o Dr Sahib Singh & Sons, Chemists, New Delhi.	Asstt. Supdt. of Development.	STO-G.
5143	Himmat Rai.	1910	B.Sc. (Allahabad—'38) M.A. Math. (Agra—'36) M.Sc. spl. Wireless. (Lucknow—'37) LL.B. (Lucknow—'37)	Since 1947 teaching to intermediate and degree classes.	Pres.— D.A.V. College, Dehra Dun. Perm.— 25, Tilak Road, Dehra Dun.	Lecturer	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5144	Hukam Chand.	1902	M.Sc. (Punjab—'24)	29 years teaching work.	Pres.—Punjab University College, Hoshiarpur. Perm.— Do	Sr. Lecturer in Physics.	T-SG.
5145	Indira Bai, Y. V.	1923	M.Sc. spl. Spectroscopy. (Mysore—'47)	Doing research in spectroscopy.	Pres.—Dept. of Physics, Central College, Bangalore Perm.— 183, Margosa Road, Bangalore 3.	University Research Fellow	R-F.
5146	Indra Dev.	1929	B.Sc. (Allahabad—'48) M.Sc. spl. Spectroscopy (Allahabad—'50)	...	Pres.—Saugor University, Saugor	Lecturer in Physics	T-SG.
5147	Jagannadham, Adibhatla Venkata.	1924	B.Sc. (Audhra) M.Sc. (Banaras)	Teaching physics for the past 7 years, papers published in diamagnetic susceptibilities.	Pres.— Government College, Ajmer. Perm.— Adarshnagar, Ajmer.	Lecturer in Physics.	T-G.
5148	Jagat Singh	1894	B.Sc. (Punjab—'16) M.Sc. (Punjab—'27)	Teaching degree classes.	Pres.— Lyallpur Khalsa College, Jullundur. Perm.— Do.	Prof. of Physics	T-NG.
5149	Jain, A.L.	1980	B.Sc. Hons. (Delhi—'50) M.Sc. (Delhi—'52)	Doing research in statistical thermodynamics	Pres.— Physics Dept., Delhi University, Delhi Perm.— IV, Bulaki Begum Street, Dateeba, Delhi.	Research Asstt	TR-SG
5150	Jain, Ajit Pershad	1944	B.Sc. Hons. (Delhi—'47) M.Sc. (Delhi—'48)	...	Pres.— Delhi College, Delhi Perm.— 590, Kucha Seth, Dariba Kalan, Delhi	Lecturer in Physics.	T-NG.
5151	Jain, Basantlal.	1913	B.Sc. (Agra—'37) M.Sc. (Agra—'39)	Teaching physics to intermediate and degree classes for 13 years.	Pres.— R.R. College, Alwar Perm.— P.O. Bayana, Rajasthan.	Lecturer in Physics.	T-NG.
5152	Jain, G.C.	1904	M.Sc. (Punjab—'28)	25 years teaching work	Pres.— S.A. Jain College, Ambala City. Perm.— Do.	Principal & Prof. of Physics	T-NG.
5153	Jain, K.C.	1926	M.Sc. (Punjab—'49)	Teaching physics to N.D.A. cadets	Pres.— J.S.W. National Defence Academy, Dehra Dun Perm.— C/o Jai Chand Lal Jain & Sons, Treasurers, Sadar Bazar, Ambala Cantt.	Lecturer.	T-G
5154	Jalota, Chandra. Satish	1980	B.Sc. (Agra—'50) M.Sc. spl. Wireless. (Lucknow—'52)	...	Pres.— 59, Old Dispensary Road, Dehra Dun. Perm.— Do	...	Un.
5155	Jatar, Dattatraya Prabhakar.	1925	M.Sc. spl. Spectroscopy. (Nagpur—'47) Ph.D. spl. Discharge Phenomena. (Banaras—'52)	Since 1946 engaged in teaching work.	Pres.— University of Saugor, Saugor Perm.— Do	Lecturer in Physics.	T-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5156	John, Wallaveetil John.	1911	M.A. Hons. spl. Wireless. (Madras —'35) A Inst P. (London)	Spectroscopic & X-ray work.	Pres.— T.D.E. Labora- tories, Kanpur Perm.— Agnes Villa, Agnes Shaw Road, Kanpur.	Jr. Scientific Officer.	STO-G.
5157	Joseph, Theverthundy Titus. (W/Cmdr.)	1908	B.A. (Madras—'26) M.Sc. (Madras—'31) A.M. Brit I.R.E	From 1928-41 worked as Lecturer in Physics, 1941-43 as Instructor in Communication and 1943 to-date as Radar Officer in I.A.F. Ex- perience in radio and radar work.	Pres.—No 2, Nicholson Road, Delhi Cantt. Perm — Molumparam, P O Marayoor, Travancore-Cochin	Chief Signals Officer.	STO-G.
5158	Kakar, Jasbir Singh	1926	M.Sc. spl Wireless. (Lucknow—'51)	Since 1951 doing teach- ing work.	Pres.— B.M. College, Simla.	Lecturer in Physics.	T-NG
5159	Kalia, Har Gobind.	1904	B.Sc. Hons. (Punjab —'25) M.Sc (Punjab—'27)	Teaching to the degree and inter classes for the last 29 years	Pres — Govt. College, Ludhiana. Perm — Desh Niwas, Civil Lines, Ludhiana.	Lecturer in Physics	T-G.
5160	Kamakkannan, D.	1927	B.Sc. Hons. Physics. (Annamalai)	...	Pres.—Govt. Arts College, Madras. Perm — 21, Kothwala- chavadi, Cuddalore N.T., South Arcot	Asstt. Lecturer.	T-G.
5161	Kannappan Naicker, T R	1905	B A. Physics. (Mad- ras—'26) M.A. Physics. (Mad- ras—'39) L T (Madras—'32) M.Sc. Physics. (Mad- ras—'35)	Since 1939 doing teach- ing work.	Pres — Dept of the Phy- sics, Govt. Arts College, Rajahmundry Prem.—No. 27, Appavoo Gramany Street, P O Mount Road, Madras 2	Lecturer in Physics.	T-G.
5162	Kapadnis, Dattatraya Gopalrao.	1923	B.Sc. (Bombay—'44) M.Sc. (Bombay—'49)	Worked for 8 years in the teaching line. At present carrying on re- search work on Raman Effect at low tempera- tures. Published papers on convective heat transfer.	Pres.—National Physical Laboratory, Hill Side, New Delhi Perm.— Dyane, P.O. Nampur, Distt. Nasik, Bombay State	Research Scholar. (M S University of Baroda)	R-S.
5163	Kapila, B R.	1904	B.Sc. (Allahabad —'27) M.Sc. (Lucknow—'29)	From 1930-42 worked as Sr Scientific Asstt in Chemical Defence Research Establish- ment.	Pres.— Arya College, Ludhiana Perm.—Sanahwal Distt. Ludhiana.	Lecturer in Physics	T-NG.
5164	Kapile, Yash Paul	1913	B.A. (Punjab—'34) M.Sc. Physics. (Lucknow—'36) LL.B. (Lucknow—'36) M.A. Math. (Nagpur —'48)	From 1936-48 worked in AIR. Since 1948 teach- ing physics to degree and inter classes.	Pres.— Govt. College, Ludhiana. Perm.— Sanahwal, Distt. Ludhiana.	Lecturer Physics.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5165	Kar, K.C.	1899	B.Sc. Hons. (1920) M.Sc. (1922) D.Sc. (Calcutta—'25)	Since 1927 teaching and guiding research in nuclear physics, advanced acoustics, X-rays, advanced optics, high velocity interaction, spontaneous disintegration of alpha particles and p-emission; published research papers in statistical mechanics, wave statistics, nuclear physics and acoustics. Set up special research section for postgraduate students and the college workshop in constructing scientific apparatus for research purposes.	Pres.— Presidency College, Calcutta Perm. — 18, Ramkanto Bose Street, Calcutta 3.	Prof. & Head of the Dept. of Physics.	TR-G.
5166	Karmakar, Ganesh.	1917	M.Sc. spl. Spectroscopy. (Calcutta—'38)	Teaching and research work on biophysics with special reference to spectrophotometric analysis, published papers on the same.	Pres.— All India Institute of Hygiene & Public Health, Calcutta. Perm — 10, Beniabola Street, Hatkhola, Calcutta 5.	Demonstrator.	TR-G.
5167	Karnatak, Ramesh Chandra.	1930	B.Sc. (Allahabad—'50) M.Sc. spl. X-rays. (Allahabad—'52)	...	Pres — Cheenakhan, Almora. Perm — Do	...	Un.
5168	Kathyayini, H.S.	1923	M.Sc. (Mysore—'47)	9 years of teaching work up to degree classes	Pres — Maharani's College, Bangalore. Perm.—4/A, Annayyappa Block, Sheshadripuram I Main Road, Bangalore.	Asstt Prof of Physics.	T-G.
5169	Khanna, Daulat Ram.	1906	B.A. Hons. Physics. (Punjab—'25) M.Sc. (Punjab—'27)	Since 1927 engaged in teaching physics.	Pres.— D A V. College, Ambala City. Perm. — Do.	Prof. & Head of Physics Dept.	T-NG.
5170	Khanna, Dina Nath.	1930	B.Sc. (Lucknow—'49) M.Sc. spl. Wireless. (Lucknow—'51)	...	Pres—S Company, Military Wing, National Defence Academy, Dehra Dun. Perm.—C/o D D Khanna, M L A, Atai Street, Moradabad	Officer Cadet.	...
5171	Khare, Mohan. Krishna	1930	B.Sc. (Lucknow—'49) M.Sc. spl. Wireless. (Lucknow—'51)	...	Pres—C/o Kr Nageshwar Sahai, Sandela House, A. P. Sen Road, Lucknow. Perm — Do.	...	Un
5172	Khosla, Tilak Raj.	1938	B.Sc. (Punjab) B.Sc. Hons. (Punjab) M.Sc. spl. Electronics (Punjab)	...	Pres — H.N. College, Haryana, District Hoshiarpur. Perm — S/o L. Bashamber Das, Gorton Castle, Simla.	Lecturer in Physics.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5173	Khosla, U.D.	1915	B.A. (Punjab—'44) B.Sc. Hons. (Punjab —'48) M.Sc. (Punjab—'49) Radio Commun. (C. & G. London—'48)	...	Pres.— Military Wing, N.D.A., Dehra Dun. Perm.— H 10/8, Basti Tankewali, Ferozepore Cantt.	Lecturer in Physics	T-G.
5174	Korgaonkar, Kashinath Shamrao.	1917	B.Sc. (Bombay—'39) M.Sc. spl. Radio- activity (Bombay —'41) Ph.D. Spectroscopy. (Bombay—'52)	Since 1939 doing teach- ing work at different colleges.	Pres.—Institute of Science, Bombay. Perm.— Malvan, Distt Ratnagiri, Bombay State.	Asstt. Lecturer in Physics.	T-G.
5175	Krishnamurthy, S.S.	1926	B.Sc Hons. spl. Wire- less. (Madras—'46)	Engaged in teaching since 1946.	Pres.— Science College, Raipur. Perm.— C/o Sri S. Ven- katachalam, P-86, Lake Place, R.B. Avenue, Calcutta 29.	Lecturer in Physics,	T-G.
5176	Krishnamurthy, Ven- katasubba.	1908	B.A. (Madras—'27) M.A. Physics (Mad- ras—'37) A.R.I.C.	Worked for 7 years as Chemical Asstt in the Madras Custom House.	Pres.—South Circle, 25, Big Street, Triplicane, Madras 5. Perm.— Do.	Asstt. Inspec- tor of Explos- ives.	STO-G.
5177	Krishna Murty, T.S.G.	1926	B.Sc. Hons. (Andhra —'46) M.Sc. (Andhra—'47)	Since 1947 engaged in the teaching line, pub- lished papers on sym- metry properties of wave functions in crys- tals and physical cons- stants of isotropic solids.	Pres.—Andhra Univer- sity, Waltair. Perm.— Do.	Lecturer in Math. Physics	T-SG.
5178	Krishnan, K.G.	1906	B.Sc Hons. (Rangoon —'29) M.Sc. (Rangoon—'50) A Inst P (London —'48)	Conducted researches in ultrasonics in gases, liquids & solids and published papers.	Pres.—Alagappa College, Karaikudi. Perm.— Agatharimppu, P.O. Abiramam, Distt Ramuad.	Professor of Physics	T-NG.
5179	Krishnaswamy, Nan- jundiah	1926	B.Sc. Hons. (Mysore —'48) M.Sc. spl. Wireless. (Mysore—'50)	...	Pres.— Vijaya College, Bangalore 4. Perm.— 83, First Cross Road, Gavipuram, Bangalore 4.	Lecturer in Physics.	T-NG.
5180	Krishnaswamy, Sri- nivasa.	1923	B.A. (Madras—'42) B.Sc. Hons. Physics. (Madras—'52) B.T. (Madras—'49) Dip. in Geog (Madras —'49)	...	Pres.—Govt Arts College, Anantapur Perm.—146, Solayappa Mudali Street, Kumba- konam.	Demonstrator.	T-G.
5181	Kulkarni, Purushot- tam Shankar.	1923	B.Sc. (Bombay—'45) M.Sc. spl. Radio Physics & Electro- nics. (Bombay—'47)	Worked for 5 years in teaching physics.	Pres.— Signal Training Centre, Jubbulpore. Perm.— Kumbharwada St, Seva Maharaja's Vithal Temple, Bombay.	Civilian In- structor (Signals)	T-G.
5182	Kundu, Ranjan. Mukul	1930	B.Sc Hons. (Calcutta —'49) M.Sc. Radio Physics & Electronics. (Cal- cutta—'51)	Doing research on iono- sphere.	Pres.—Institute of Radio Physics & Electronics, 92, Upper Circular Road, Calcutta 9. Perm.—19/1A, Ganguly Para Lane, Calcutta 9.	Jr. Research Assistant	R-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5188	Kundu, Tripurendra Kumar.	1918	B.Sc. Hons. (Calcutta—'35) M.Sc. spl. Light. (Calcutta—'38)	8 years research work in spectroscopy & optics and 12 years work in testing & inspection of all stores pertaining to the defence services from physical point of view.	Pres — T.D.E. Laboratories, Physics Branch, Kanpur Perm.— C/o Sri N G Kundu, S.D.O., Irrigation Sub-division, P O Berhampore, District Murshidabad	Sr. Scientific Assistant	STO-G.
5184	Lahiri, Susanta Mohan.	1928	B.Sc. (Calcutta—'48) M.Sc. spl. Elec. Commun. & Radio (Calcutta—'49)	Geophysical exploration and associated laboratory work.	Pres — Geophysical Section, Geological Survey of India, 27, Chowringhee, Calcutta 13 Perm — 9, Naudalal Rose Lane, P O Bagh-bazar, Calcutta 3	Geophysical Assistant.	STO-G.
5186	Lakshmanan, V.	1916	B.Sc. Hons. (Madras—'39). Higher Proficiency Exam. for Wireless Operators (P. & T. Calcutta—'46)	Installation, maintenance and overhaul of wireless transmitters, receivers and direction finding equipment	Pres.— Civil Aviation Dept., Aerodrome, Jubbulpore Perm — C/o V. Mahadeva Iyer, Registration Dept., 20, Singaratore Street, Trichinopoly.	Communication Assistant	STO-G.
5186	Lal, Ramesh Behari.	1921	M.Sc. (Allahabad—'49) A.F. Exam Royal Aero. Soc. (London—'52)	Pest control and stores preservation.	Pres—206, B O D , Avadi, Madras Perm — C/o Shri Raj Bebari Lal, Vijaynagar, Agra.	Stores Preservation Officer	STO-G.
5187	Leela, M	1927	M.Sc. (Mysore—'49)	Doing research on crystal magnetism.	Pres. — 4, New High School Road, Visvesvarapuram, Bangalore Perm.— Do.	Sr. Research Scholar.	R-S.
5188	Mahajan, Parshotam Chand.	1914	B.A. (Punjab—'32) M.Sc. (Punjab—'34) M.Sc. Tech. Optics. (London—'38)	Design and manufacture of optical and precision instruments.	Pres.—National Instruments Factory, 15, Wood Street, Calcutta 16. Perm — Brijlal Orchards, Pathankote.	Works Manager.	STO-I.
5189	Mahajan, Surendra Lal	1916	B.A. (Punjab—'44) M.Sc. Physics. (Banaras—'53) B.T. (Punjab—'46)	...	Pres.—Punjab University College, Hoshiarpur. Perm.— Do.	Lecturer in Physics	T-SG.
5190	Mahimaidoss, A.	1928	B.Sc. (Madras—'50) M.A. Physics. (Madras—'52)	...	Pres.— Loyola College Hostel, P.O Cathedral, Madras. Perm.— Mahabaliipuram, via Chingleput	Demonstrator in Physics	T-N.G.
5191	Maltra Jnanendra Chandra.	1924	B.Sc. Hons. (Calcutta—'49) M.Sc. (Calcutta—'45) Grad.I.E.E. (London)	Inspection and testing of primary & secondary batteries, X-ray machines and various electrical stores; published papers.	Pres.— T.D.E., Sunderwala Camp, Dehra Dun. Perm.— Do.	Asstt. Supdt of Development	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5192	Majumder, Veerprasad Dhirajram.	1896	M.Sc. (Bombay—'25)	For the last 30 years teaching physics, published research papers mostly on elasticity and viscosity of gases.	Pres.— Bhavani's College, Andheri, Bombay. Perm.— Gladhurst, Pherojehah Street, Santacruz, Bombay 23.	Prof. of Physics.	T-NG.
5193	Majumder, Pramada Charan.	1896	B.Sc. (Calcutta) M.Sc. (Calcutta)	...	Pres.—Bangabasi College, Calcutta. Perm.— 114, College Street, Calcutta 12.	Prof. of Physics.	T-NG.
5194	Marwaha, Parkash.	1930	B.Sc. Hons. (Punjab—'51) M.Sc. (Punjab—'52)	...	Pres.—3464, Allahawala Building, Nicholson Road, Delhi. Perm.— Do.	...	Un.
5195	Mathai, A.O.	1915	B.Sc. (Madras) M.Sc. (Travancore)	10 years teaching work, research and guiding the activities of the Central Instruments Workshop (2 years). Experience in making precision instruments.	Pres.— University College, Trivandrum. Perm.— Do.	Lecturer in Physics and Part-time Supdt.	TR-SG.
5196	Mathur, Raghunath.	1901	M.Sc. (Allahabad—'26)	26 years of teaching work.	Pres.— R. R. College, Alwar. Perm.— Near Public Library, Alwar.	Lecturer.	T-NG.
5197	Mathur Bahadur.	1905	B.A. (Delhi—'24) M.Sc. (Allahabad—'27) B.T. (Punjab—'31) M.Ed (Illinois—'34)	Since 1931 doing teaching work in science in various capacities, published papers on the technique of teaching and progress of education.	Pres.—National Defence Academy, Dehra Dun. Perm.— 817, Katra Roshan-ud-daula, Kinnari Bazar, Delhi.	Offg Principal	T-G.
5198	Mehrotra, Kailash Narain.	1922	B.Sc (Lucknow—'42) M.Sc. spl. Wireless. (Lucknow—'44)	8 years teaching work.	Pres.—Dept. of Physics, Mahakoshal Mahavidyalaya, Jabalpur. Perm.— 549, Yahsiapur, Allahabad.	Lecturer in Physics.	T-G.
5199	Mela Ram.	1899	B.Sc. Hons. M.Sc. Ph.D Spectroscopy.	Since 1922 doing teaching work, published papers on spectroscopy and cosmic rays.	Pres.—Dept of Physics, University of Delhi, Delhi 8. Perm.— Do.	Lecturer in Physics.	T-SG.
5200	Menon, V. Madhavikutty. (Miss)	1930	B.Sc. (Madras—'49) M.Sc. Radioactivity and Nuclear Physics. (Bombay—'52)	...	Pres.— 18, Paradise Co-operative Housing Society, Kings Circle, Bombay 22. Perm.—Vattapparambil House, Irinjalapuda, Cochin State.	Junior Tester	STO-
5201	Mishra, Shri Kant.	1928	B.Sc. (Saugor—'47) M.Sc. spl. Wireless. (Saugor—'49)	Since 1949 engaged in teaching work.	Pres.—College of Science, Raipur. Perm.— O/o Dr. H.N. Mishra, Damoh, Distt. Saugor.	Lecturer in Physics.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5203	Misra, Sibdas.	1915	B Sc Hons. (Calcutta—'36) M Sc (Calcutta—'39)	Inspection of engineering stores, (2) magnetic, electrical & ultrasonic methods of testing engineering materials, (3) electrical methods of sorting of metals, alloys and finished components.	Pres.— C/o Technical Development Establishment (Metallurgy), Ishapore, 24 Parganas. Perm.— Rampur, P.O. Bankura, W. Bengal.	Asstt Foreman.	STO-G.
5203	Mitra, Manindra Nath.	1929	B Sc Hons. (Calcutta—'48) M Sc spl. Measurement & Instrument Eugg. (Calcutta—'50)	Working on design of electrical instruments and measurement & standardization of slip gauges & length rods.	Pres.—T D E , Ishapore, Calcutta.	Supervisor	STO-G.
5204	Mitra, Subodh Chandra.	1922	B Sc. Hons (1944) M Sc. spl Wireless (1945)	Conducted research in magnetism for 4 years and teaching work for 4 years.	Pres.— Jolut Services Wing, N.D.A., P.O. Clement Town, Dehra Dun.	Lecturer in Physics.	T-G
5205	Modak, Hemachandra Vishwanath.	1921	B.Sc. (Bombay—'44) M Sc. (Bombay—'49)	9 years teaching work.	Pres.—N. Wadia College, Poona. Perm.—196/76, Sadashiv Peth, Dharap Bungalow, Tilak Road, Poona.	Demonstrator in Physics.	TR-NG.
5206	Mookerjee, Amar Prosad.	1904	M Sc (Calcutta—'28)	...	Pres — Surendra Nath College, Calcutta. Perm.— 9, Benimadhab Mukherjee Lane, Howrah.	Lecturer.	T-NG.
5207	Mookherji, Asutosh.	1908	M Sc. (Dacca—'31) D Sc. (Dacca—'49)	Research work in crystal magnetism and published several papers on the same.	Pres — Birla College, Pilani. Perm.— Do.	Prof. & Head of the Dept. of Physics	T-NG.
5208	Mukherji, Jotindra Bhushan.	1908	B Sc. (Allahabad—'27) M Sc. spl. X-ray. (Allahabad—'39)	15 years experience in the application of physics to the development, research, testing of stores and giving technical advice. Contribution on X-ray spectroscopy.	Pres.—T D E. Laboratory, P.O Box 920, Kanpur Perm —47, Free India Estates, Civil Lines, Kanpur.	Control Officer	STA-G
5209	Mukherjee, Amarendra Nath.	1919	B.Sc. Hons. (Calcutta—'39) M Sc. Appl. Physics. (Calcutta—'41)	Specialized knowledge of progress, development and position of indigenous electrical engineering industries	Pres — Development Wing, Ministry of Commerce & Industry, New Delhi. Perm - 12/1C, Goabagan Street, Calcutta 6.	Asstt Development Officer.	STO-G.
5210	Mukherjee, Bhudeb Kumar.	1935	B Sc. Hons. (Calcutta—'44) M Sc. spl. Elec. tech. (Calcutta—'46)	Electrical technology with special reference to standardization and measurements.	Pres — Electrical Eugg Dept , Indian Institute of Technology, Kharagpur. Perm.—6A, Sardar Sankar Road, Calcutta 26.	Instructor of Elec Eugg	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5211	Mukherjee, Bibhuti Bhushan.	1923	B.Sc Hons (Dacca —'44) M.Sc (Dacca —'45) D. Phil X-ray & Spectroscopy (Calcutta —'49)	Doing research work on physical methods of coal analysis by (i) X-ray diffraction (ii) emission & absorption spectroscopy (iii) electrical conductivity & modulus of rigidity; published many papers. Was Associate Editor of 'Science & Culture' for 4 years.	Pres.— Fuel Research Institute, P.O. Jealgora, Bihar Perm — C/o Prof K.C. Mukherjee, Govt Quarters, Block A, Flat No. 10, Calcutta 14	Jr. Research Officer	R-SG.
5212	Mukherjee, Kshitish Chandra	1898	B.Sc. Hons (Calcutta —'19) M.Sc (Calcutta —'21)	Since 1922 engaged in teaching physics at different colleges.	Pres.—P.K. College, Connal, Distt. Midnapur. Perm — Vill. & P.O. Charkalgram, P.S. Nanooti, District Birbhum.	Professor.	T-NG.
5213	Mukherjee, Santosh Chandra	1929	B.Sc. (Calcutta —'46) M.Sc Appl. Physics (Calcutta —'48)	Design and manufacture of small electric machines and appliances.	Pres.— B.E. College, Howrah. Perm.— 20-B. Sankarpura Road, Calcutta 25.	Jr. Research Assistant.	R-S.
5214	Mukherjee, Sat Kari	1918	B.Sc Hons. (Calcutta —'38) M.Sc Appl. Physics (Calcutta —'40)	...	Pres.— Kalna College, P.O. Kalna, District Burdwan. Perm — Khosebagan, Burdwan.	Professor of Physics	T-NG.
5215	Mukherji, Kartic Chandra	1915	M.Sc. (Calcutta —'36)	13 years teaching work to intermediate and degree classes.	Pres.— Krishnagar College, P.O. Krishnagar, Distt Nadia.	Asstt. Prof. of Physics.	T-NG
5216	Mukhopadhyay, Asoke Kumar	1928	M.Sc. (Calcutta —'51)	...	Pres.— 1, Halder Para Lane, Khurat, Howrah. Perm.— Vill. & P.O. Balaghat, District Hooghly.	...	Un.
5217	Nag, Basanti Dulal	1917	B.Sc Hons (Banaras —'35) M.Sc. spl. Spectroscopy. (Allahabad —'37) Ph.D. Nuclear Physics. (California —'40)	Since 1943 teaching and guiding researches in experimental nuclear physics, high energy accelerators, radiation detection & measurement techniques, high vacuum & high voltage techniques; published many research papers.	Pres.— Nuclear Physics Laboratory, Calcutta University, Calcutta. Perm.— 48, Biren Roy Road, Calcutta 8.	Reader in Physics.	TR-SG.
5218	Nagarajan, Tanjore Bhimrao.	1924	M.A. Physics. (Madras —'45)	Worked for 4 years in the teaching line.	Pres.— 15, O.P. Koil Street, Madras 4. Perm.— 1686, Ellaiammam Koil Street, Tanjore.	Asstt. Accountant General.	Ucl.
5219	Nambiar, Krishnan. M.C.	1923	B.Sc. (Madras) B.Sc. Hons. Physics. (Madras)	10 years of service as teacher in Govt. colleges.	Pres.— Govt. Arts College, Madras 2.	Asstt. Lecturer in Physics.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5290	Nambiyar, V.P. Narayanan.	1914	B.A. (Madras—'34) M.A. Physics. (Madras—'37) A.Inst.P. (London)	14 years work of teaching physics, published papers on light scattering and spectroscopy.	Pres.—Pachayappas College, Madras 10. Perm.— Do.	Asstt. Prof. of Physics.	T-NG.
5291	Namjoshi, Moreshwar Shrinivas.	1998	B.Sc. (Agra—'48) B.Sc. sp! Wireless (Agra—'50)	3 years teaching work.	Pres.— 146, Kachhi Mohalla, Indore City Perm.— C/o Shri S A Namjoshi, Teacher, Rempura, Madhya Bharat.	Jr. Lecturer in Physics.	T-
5292	Narasimham, Kas-turi Lakshmi.	1907	B.A. (Andhra) M.Sc Physics (Banaras)	Since 1930 engaged in teaching work.	Pres.— Samaldas College, Bhavnagar. Perm.— 1176, Ambawadi, Bhavnagar, Saurashtra	Head of Physics Dept.	T-NG.
5293	Narayana Swamy, H.	1927	B.Sc. (Travancore—'44) M.A. Physics. (Anna-malai—'48)	Doing research on defence problems, published papers on absorption spectra of organic substances in liquid and solid state at low temperatures	Pres.— I.N. Physical Laboratory, Cochin 4. Perm.— Neduvacathumadom, S. Gate, Valkom, Travancore.	Sr. Scientific Assistant.	R-G.
5294	Narendra Kumar.	1926	B.Sc. (Lucknow—'46) M.Sc sp!. Wireless (Lucknow—'49)	...	Pres.— Madras Area (Indep) Sig. Coy., St. Thomas Mount, Madras 16. Perm.— C/o Major R. Chandra, 1, Mall Road, Dilkusha, Lucknow.	Wireless Officer.	STO-G.
5295	Nayar, Sudarshan	1930	B.Sc. Hons. (Delhi—'50) M.Sc. sp! X-ray & Electronics. (Delhi—'52)	Working on development projects in the tele-communication engg.	Pres.— T D E. (I & E), Line Section, Raipur, Dehra Dun. Perm.— C/o Lajpat Rai Nayar, Incharge, L A P Section, Surveyor General's Office, P. Box 37, Dehra Dun.	Technical Supervisor	STO-G.
5296	Nedungadi, Poorna-rathil Balakrishna	1925	B.Sc. (Madras—'46) B.Sc. Hons (Madras—'49)	...	Pres.— K G.'s School, Bangalore 1. Perm.— Poomaram House, Post Nellaya, S. Mala-bar	Civil Education Officer.	T-G
5297	Nene, Madhava Gaunesh Nene.	1929	B.Sc. (Agra—'47) M.Sc. sp!. Spectro-scopy. (Agra—'49) M.Sc. sp!. Wireless. (Agra—'50)	4 years teaching work	Pres.— C/o Col Mumtaz, Motibungle, Cottage 8, Near Hamida College Hostel, Bhopal. Perm.— Collectorganj, Unnao, U.P.	Sr. Lecturer & Head of the Dept of Physics	T-
5298	Nigam, Chandrakant Govindrai.	1928	B.Sc. (Agra—'50) M.Sc. sp! Wireless. (Agra—'52)	...	Pres.— Holkar College, Indore City. Perm.— 25, Baxigalli, Indore.	Lecturer in Physics.	T-G.
5299	Nighoskar, Raghu-nath Govind.	1915	B.Sc. (Lucknow—'35) M.Sc. sp!. Wireless. (Lucknow—'37)	Doing teaching work since 1949.	Pres.— Dept. of Physics, Holkar College, Indore City. Perm.— Do.	Sr. Lecturer in Physics.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5280	Nilosey, Bal Krishna.	1928	B.Sc (Nagpur—'49) M.Sc. spl. Spectro- scopy. (Saugor—'51)	2 years teaching work.	Pres.—College of Science, Raipur. Perm.— Vill. & P.O. Piplani, Distt. Nimar, Khandwa.	Lecturer in Physics.	T-G.
5281	Ojha, Mishri Lall.	1906	M.Sc. spl. X-ray (Nagpur—'32)	Inspection of gauges and ordnance stores.	Pres.—8/2, Gun Carriage Factory Estate, Jabal- pur. Perm.— Do.	Assistant Foreman	STO-G.
5282	Padam Swaroop.	1916	B.Sc Hons (Punjab —'38) M.Sc. (Punjab—'39)	...	Pres.— Ranbir College, Sangrur. Perm.— Pyare Lall & Sons, Drapers, Nahan, H.P.	Lecturer in Physics.	T-G
5283	Padmanabha, Raja- puram Venkata Subbiah.	1928	B.Sc Hons. (Mysore —'49) M.Sc. spl. Wireless. (Mysore)	3 years teaching work.	Pres.— Central College, Bangalore. Perm.— 15/3, Albert Victor Road, Chama- rajapet, Bangalore.	Lecturer in Physics.	T-G.
5284	Padmanabhan, D.	1916	B.Sc. (Madras—'37) B.Sc. Hons. spl. Wireless. (Madras —'43)	Radio communication & radio receiver design.	Pres.— All India Radio, Madras Perm.— Sundara Vilas, 1/26, Srinivasa Peru- mal Sannathy Street, Royapettah, Madras.	Asstt. Engr.	STO-G.
5285	Pai, Koohikar Narasimha.	1925	B.Sc. (Madras—'46) M.Sc. (Banaras—'50)	5 years teaching work.	Pres.— D.S.D. College, Gurgaon. Perm.— 'School-View', Car Street, Mangalore.	Prof. of Phy- sics.	T-NG.
5286	Pal, Profulla Chandra	1923	B.Sc. Hons (Calcutta —'48) M.Sc. spl. Line and Radio Commun. Engg. (Calcutta—'45)	5 years of practical work in line & radio com- munication engineering and 2 years in teaching thereof	Pres.— Govt. Engg. College, Jabalpur Perm.— C/o Purna Chandra Pal, Vill. Baratajpur, P.O. Begam- pur, Distt. Hooghly.	Lecturer in Appl Physics.	T-G.
5287	Pancholy, Magan Lal.	1916	M.Sc. spl. Wireless Commun. (Lucknow —'38)	About 7 years work in research, testing and standardisation in acoustics and ultrasonics; published several papers on the same.	Pres.— National Physi- cal Laboratory, New Delhi. Perm.— C/o M.S. Pan- choly, Advocate, Sabal- garh, Gwalior.	Sr. Scientific Officer.	R-SG.
5288	Pandeya, Chandra. Daya	1916	B.Sc. (Agra—'38) M.Sc. spl. Wireless (Lucknow—'40) L.T. (Allahabad—'43)	Since 1940 engaged in teaching physics espe- cially wireless	Pres.— University of Saugor, Saugor. Perm.— C/o P.C. Pan- deya, Advocate, 188A, Mansfield Road, Agra Cantt.	Lecturer in Physics	T-SG.
5289	Paramasiviah, P.	1924	B.Sc Hons. (Mysore —'45) M.Sc. spl. Wireless. (Mysore—'47) M.A. in Cinema. (S. California—'50)	7 years of teaching work in physics and 2 years in sound engineering and cinematography.	Pres.—Central College, Bangalore. Perm.— Do.	Asstt. Prof of Physics	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5240	Paranjape, Madhav Krishna.	1911	M.Sc. Physics, (Bombay—'37) M.Sc. Math. (Bombay—'41) Ph.D. Physics (Bombay—'47)	Special knowledge of radiophysics and electronics.	Pres.— S.P. College, Poona. Perm.—691/45, Sadashiv Peth, Poona 2.	Prof. of Physics.	T-NG.
5241	Parthasarathy, Mandayam Nayak.	1918	B.Sc. Hons. (Madras—'39) M.A. spl. Wireless. (Madras—'50)	Since 1939 working on the installation of radio receivers and other wireless systems.	Pres.— Broadcasting Dept., Govt of Madras, Madras. Perm.—77, North Tank Square, Triplicane, Madras 5	Asstt Radio Engineer.	STO-G.
5242	Patel, Chandubhai Motibhai	1917	B.Sc. (Bombay—'41) M.Sc. spl. Heat & Thermodynamics. (Bombay—'46)	12 years teaching work.	Pres.— Physics Dept., Samaldas College, Bhavnagar. Perm.—Athavan Khadi, P.O. Dharmaj, via Anand.	Lecturer in Physics.	T-NG.
5243	Patel, Jashbhai Chandubhai.	1928	B.Sc. (Bombay) M.Sc. (Bombay)	Working in a scheme of 'Spectral studies in heterocyclic aromatic compounds'.	Pres.— C/o Chandubhai Haribhai Patel, Block No 1, Patel's Estate, Goregaon East, Bombay. Perm.— Do.	Jr. Research Assistant.	R-S.
5244	Pathak, Narendra Deo	1918	B.Sc. (Agra—'36) M.Sc. spl. Spectroscopy. (Agra—'39) L.T. (Allahabad—'40)	11 years of teaching work.	Pres.—National Defence Academy, Clement Town, Dehra Dun. Perm.—8, Perry Estate, Clement Town, Dehra Dun.	Offg Reader in Science	T-G.
5245	Patil, Jai Datt	...	B.Sc. (Lucknow) B.T. (Punjab) M.A. English (Punjab) M.A. Physics (Boston-Mass.)	Since 1935 engaged in teaching work.	Pres.—Ewing Christian College, Allahabad. Perm.— Do.	Lecturer	T-NG.
5246	Patil, Bhaskarrao Sambhajirao	1919	B.Sc. (Bombay—'43) Ph.D. Spectroscopy. (Bombay—'52)	Working on the problems of molecular spectra.	Pres.—Spectroscopic Laboratories, Institute of Science, Bombay. Perm.—P.O. Petb, Taluka Valva, Distt. S. Satara.	Research Asstt	R-G.
5247	Patil, Hari Narayan.	1921	B.Sc. (Bombay—'44) M.Sc. spl. Heat & Thermodynamics. (Bombay—'46)	9 years teaching work.	Pres.— Physics Dept., M.N. College, Visnagar. Perm.—Wadapur, P.O. Bhandarkarwadi, Taluk South Sholapur, Distt. Sholapur.	Lecturer in Physics.	T-NG
5248	Patna, Nagendra Nath.	1997	B.Sc. Hons. (Calcutta—'47) M.Sc. spl. Radio & Elec. Commun (Calcutta—'49) Grad. Brit. I.R.E (London—'50)	Doing research and development work of radar and microwave technique.	Pres.— Radar Section, Technical Development Establishment, Raipur, Dehra Dun. Perm.— Vill. Dhanchabari, P.O. Brajalalchak, Distt. Midnapur, West Bengal.	Tech. Supervisor.	R-G.

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S.No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5249	Patnaik, Harikrishna.	1910	B.A. Physics (Andhra —'30) B.Ed. (Andhra — '34)	38 years of teaching work.	Pres.—S.K.O.G. College, P.O. Parlakimedi, Distt. Ganjam, Orissa. Perm.— Vill. Karatoli, P.O. Aska, District Ganjam, Orissa.	Lecturer in Physics.	T-NG.
5250	Pillai, Velayudhan.	1926	B.Sc. (Travancore —'45) M.Sc. spl. Radio-activity. (Bombay —'49)	Since 1945 engaged in teaching physics.	Pres.— J.S.W., N.D.A., Clement Town, Dehra Dun. Perm.— 'Gourivilas', N. Parur, Travancore.	Lecturer in Physics.	T-G.
5251	Prasad, Kadabav Krishna.	1924	B.Sc. Hons (Mysore —'48) M.Sc. (Mysore—'44) M.S. Elec. Engg. (Pasadena—'46) Electrical Engt. (Pasadena— 47) Ph.D. Electronics. (California—'49) Grad.I.E.E. (London)	Microwave spectroscopy, theoretical & experimental electronics, electromagnetic theory; published research papers relating to electromagnetic wave propagation and absorption.	Pres.— T.D.E. (I & E), Dehra Dun. Perm.— 8770, Fifth Main Road, Vanivilas Mohalla, Mysore.	Asstt. Supdt. of Development.	STO-G.
5252	Pruthi, Jagat Nath	1926	M.Sc. spl. Cosmic rays. (Punjab—'48)	4 years teaching work.	Pres — Govt. College, Hissar. Perm.—O/o L. Ram Lall, House No. 262, Ward No. 3, Insaar Mohalla, Panipat.	Lecturer.	T-G.
5253	Purang, Gopal. Madan	1914	B.Sc. (Allahabad—'33) M.Sc. spl. Wireless. (Allahabad—'35)	Since 1937 doing technical and administrative work for the Aeronautical Communication Station.	Pres.— Aeronautical Communication Station, Civil Aerodrome, Lucknow. Perm.— O/o Dr. R.D. Purang, Gandhi Park, Mainpuri.	Asstt. Technical Officer.	STA-G.
5254	Puri, Kishori Lal.	1911	B.A. (Punjab) M.Sc. Physics. (Agra) D.I.C. Tele-Commun. Engg. (London)	Inspection and development of tele-communication stores.	Pres.—C/o T.D.E. (I & E), Raipur, Dehra Dun. Perm.—P.O. Garhdiwala, Distt. Hoshiarpur.	Asstt. Supdt. of Development	STO-G.
5255	Puri, Ved Prakash.	1925	M.Sc (Punjab—'46)	5 years teaching work to degree and inter classes.	Pres.—Nirmala College, Kusab Road, Delhi. Perm.— 9A/83, W.E.A., Karol Bagh, New Delhi 5.	Lecturer in Physics.	T-NG.
5256	Pyare Lal	1926	B.A. (Punjab—'46) M.Sc. (Delhi—'49)	Besides teaching doing research in quantum mechanics.	Pres.— Delhi College, Delhi. Perm.—Vill. Lider, P.O. Nursi, Distt. Jullundur.	Lecturer.	TR-NG.
5257	Raghavendran, Sithapathirao.	1929	B.Sc. (Madras—'49) M.Sc. spl. Wireless. (Calcutta—'51)	...	Pres.— 11, Venkatachala Naicker 3rd Lane, Triplicane, Madras 5. Perm.— O/o K.S. Sithapathi Rao, Minor Irrigation Supervisor, Hindupur.	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5258	Raghunathan, T.	1925	B.Sc. (Madras—'44) B.Sc. Hons. (Madras —'46) M.A. Physics (Madras—'47)	...	Pres.— Board High School, Srirangam. Perm — 203, East Adayavalanjan Street, Srirangam.	Science Asstt.	T-NG.
5259	Rajagopal, C.B.	1929	M A Physics. (Madras—'50)	...	Pres.— Madras Christian College, Tambaram. Perm — 49, Sarojini Street, Coimbatore	Lecturer in Physics.	T-NG.
5260	Rajagopalan, K.	1919	B A. Physics. (Madras—'39)	Knowledge of manufac- turing technique and processes of general electrical goods.	Pres.—D.G. I. & S., Shah- jahan Road, New Delhi. Perm.— 10, Asoka Road, New Delhi	Asstt. Develop- ment Officer.	STO-G.
5261	Rajagopalan, N S	1925	B Sc. Hons. (Anna- malai—'47)	Since 1948 doing teach- ing work.	Pres.—Alagappa College, Karaikudi Perm.—Nedunthow, P.O. Valloothoar, Ayyampet, Distt. Tanjore	Lecturer in Physics.	T-NG.
5262	Rajangam, K B.	1928	B.Sc Hons. (1948) M A. spl. Radio Engg. (1948)	5 years teaching work.	Pres — Madras Christian College, Tambaram. Perm.— Do	Lecturer in Physics.	T-NG.
5263	Rajaraman, R.	1925	B A. (Madras—'44) B Sc. Hous. (Madras —'46) M.A. Physics. (Madras—'47)	Working in soil mecha- nics for the last 4½ years.	Pres.— Soil Engineering Research Station, Madras. Perm.— 9, Servamania Street, Melacanvery, Kumbakonam.	Sr. Research Assistant	R-G.
5264	Rajderkar, Eknath Balkrishna.	1904	B Sc. (Bombay -'28) M Sc. (Bombay—'33) F.I.C.S	Dealing in the sale of scientific instruments and technical equipment	Pres — Raj-Der-Kar & Co., Commissariat Bldg., Hornby Road, Fort, Bombay 1. Perm.— Do.	Incharge.	STO-I.
5265	Rajeswari, E T.	1906	M.A. Physics. (Madras—'31) L.T. (Madras—'32)	21 years teaching experi- ence, specialization in audiovisual aids	Pres.—Lady Willingdon College, Madras. Perm.—8, Rosary Church Road, San Thome, Madras 4.	Lecturer in Physical Science.	T-4
5266	Ramabhadran, V.	1926	B.Sc. Hons. spl. Wire- less. (Madras—'52)	6 years service.	Pres.—Govt Arts College, Madras 2. Perm — 1, Bhujanga Rao Street, Madras 15	Demonstrator in Physics	T-4.
5267	Remachandran, G N	1922	B Sc. Hons. (Madras —'43) M A (Madras—'44) M Sc. (Madras—'44) D Sc. (Madras—'48) Ph D. (Cantab.—'49) A.I.I.Sc. (Bangalore —'45) F.I.Sc. (India)	Teaching and guidance of research in X-rays & crystallography, optics and crystal physics, published several re- search papers on the same.	Pres— University of Madras, Madras 26 Perm.— Do.	Professor of Physics.	TR-SG
5268	Ramachari, H.R	1927	B Sc Hons. (1952)	...	Pres.— Central College, Bangalore. Perm — Hagedur, P.O. Whitefield, South Taluk, Bangalore.	Lecturer in Physics	T-G

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5269	Ramam, Achyuta. Akella	1922	B.Sc. Hons. (Andhra —'43) M.Sc. Appl. Physics. (Andhra—'44)	Worked on the main- tenance & servicing of broadcasting equipment.	Pres.—East Indian Rail- way, Calcutta. Perm.—C/o Sri A. Kaman- daleswarudu, P.O. Tenuku, Distt. West Godavari.	Sr. Accounts Officer.	G.
5270	Ramanadham, Mandadi.	1906	M.Sc. (Madras—'30)	Teaching experience of over 20 years upto honours classes and conducting researches in molecular physics with special reference to magnetic & optical properties and crystal optics; published pa- pers on the same.	Pres.—Presidency College, Madras Perm.—16, Upstairs De- signagunswamy Street, Mylapur, Madras.	Asstt. Prof. of Physics.	TR-G.
5271	Ramanathan, Asik- kodu Subrahmanyam.	1924	M.A. Physics. (An- namalai)	Worked for 5 years in the teaching line. Now doing research in as- trophysics.	Pres.— Solar Physics Observatory, Kodai- kanal. Perm.— C/o R. Subrah- manyam Iyer, Asikkadu, P O Marayur, v/o Mayuram, Distt. Tan- jore.	Research Scho- lar	R-S
5272	Ramanjaneyulu, Tumuluru Sree Sita.	1927	B.Sc. (Andhra—'49) M.Sc. Geophysics. (Andhra—'51)	...	Pres.— C.R.R. College, Eluru. Perm.— Do.	Lecturer in Physics	T-NG.
5273	Raman Nambisan, Thekepat.	1922	B.Sc. (Travancore —'49) M.Sc. spcl Wireless. (Banaras—'45)	6 years teaching work.	Pres.— Govt. Victoria College, Palghat, S Malabar. Perm.— Garudenkavu, P.O. Belath Pudiyang- adi, v/o Tirur, S. Mala- bar.	Asstt. Lecturer in Physics	T-G.
5274	Ramasastri, Chilu- kuri.	1923	B.Sc. Hons. (Andhra) M.Sc. Appl. Physics. (Andhra) D.Sc. (Andhra)	Since 1945 teaching physics, published papers on spectroscopy.	Pres.— Andhra Univer- sity, Waltair. Perm.— Do.	Lecturer in Applied Phys- ics.	T-SG.
5275	Ramaswamy, R.	1925	B.Sc. Hons. (Madras —'45)	Since 1945 engaged in teaching line.	Pres.— Alagappa College, Karaikudi. Perm.— 3, Sugadas Mandi Street, P.O. Teppa- kulam, Trichinopoly.	Lecturer in Physics.	T-NG.
5276	Rameshwar Chandra.	1930	B.Sc. Hons. (Delhi —'50) M.Sc. (Delhi—'52)	...	Pres.— Physics Dept., University of Delhi, Delhi. Perm.— 24, Pershing Square, New Delhi 1.	Research Asstt.	TR-SG
5277	Ramiah, H.S. Ven- kata.	1903	B.Sc. (Mysore—'28) M.Sc. (Mysore—'33)	Teaching in the Univer- sity of Mysore for the last 29 years, published papers on magnetic susceptibilities.	Pres.— Central College, Bangalore. Perm.— Do.	Asstt. Prof. of Physics.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5278	Ram Parshad.	1915	B.A. Hons. (Punjab—'35) M.Sc. (Punjab—'37) D.Sc. (Punjab—'46)	Researches on ultrasonics (basic and applied), liquid structure, corrosion and electronics; published many papers on the above subjects.	Pres.—National Physical Laboratory of India, Hillside Road, New Delhi. Perm.— 30E/7, Patel Nagar, New Delhi.	Jr. Scientific Officer.	R-SG.
5279	Ram Singh.	1931	B.Sc. (Allahabad—'50) M.Sc. spl. Spectroscopy. (Allahabad—'52)	...	Pres.—Vill. Humayunpur, New Delhi 16 Perm.— Do	...	Un.
5280	Ranade, Jagannath Dattatraya.	1914	B.Sc (Bombay—'35) M.Sc. (Bombay—'39) Ph.D. Spectroscopy. (London—'50) A.Inst P. (London)	Since 1940 teaching physics up to postgraduate classes and at present guiding research; published papers relating to spectroscopy and optics.	Pres.—Dept. of Physics, Saugor University, Saugor. Perm.— 1217, Shivaji Path, Kolhapur.	Lecturer in Physics.	TR-SG.
5281	Randhawa, Jagir Singh.	1922	B.Sc. Hons. (Punjab—'45) M.Sc. (Punjab—'46)	...	Pres.— Govt. College, Rupar, Distt. Ambala. Perm.— Do	Lecturer in Physics.	T-G.
5282	Rangachari, Sourianarayanan.	1929	B.Sc. Hons. (Madras—'60)	3 years teaching work.	Pres.— 20, Laxmipura Ageaharam, Karaikudi. Perm.— Do.	Lecturer in Physics	T-
5283	Ranganath, S.V.	1927	B.Sc. Hons. (Mysore—'47)	Since 1948 engaged in teaching work.	Pres.— Central College, Bangalore.	Lecturer in Physics	T-G.
5284	Ranganna, A.	1918	B.Sc. Hons. (Mysore—'38) M.Sc. spl. Wireless. (Mysore—'39)	11 years of teaching work.	Pres.— Intermediate College, Chikmagalur. Perm.— O/o Registrar, University of Mysore, Mysore.	Lecturer in Physics	T-NG.
5285	Rao, Anaji Ramappa Chandrasekhar.	1925	B.Sc. Hons. (Mysore—'46) M.Sc. spl. X-ray. (Mysore—'50)	Since 1946 teaching physics, now up to degree classes.	Pres.— Basaveshwar College, Bagalkot. Perm.— P.O. Bharamasagar, via Davangere.	Lecturer & Head of Dept of Physics.	T-NG.
5286	Rao, Chitaldroog Srinivasarao Gundu.	1917	B.Sc. Hons. (Mysore—'39) M.Sc. spl. Wireless. —'40)	(i) Maintenance and construction of overhead telegraph & telephone lines, (ii) instructional work in telecommunications in P & T training centre.	Pres.— P. & T. Training Centre, Jubbulpore. Perm.— Do.	Offg. Asstt. Engineer (Telegraph)	STO-G. T-G.
5287	Rao, I. Ramakrishna	1901	M.A. Physics (Calcutta—'25) Ph.D. (Calcutta—'27) D.Sc. (London—'34)	From 1932-45 was Prof. of Physics and 1948-45 also as Prof. of Applied Physics in the Andhra University. Guided a number of students for M.Sc. & D.Sc. degrees as Director of Research in Andhra University. Published a large number of papers on defraction of light, scattering of light, Raman effect, magnetic double refraction, etc. Now engaged in technical and business management of scientific instruments.	Pres.—General Engineering & Scientific Co., Uplands, Waltair. Perm.— Do.	Managing Director.	STA-I.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5288	Rao, K. Rama.	1926	B.Sc. (Andhra—'47) M.Sc. Appl. Physics. (Andhra—'50)	Doing inspection of fire control instruments.	Pres.— T.D.E. (I. & E.), Sunderwala Camp, Dehra Dun. Perm.— O/o Sri K. Kon- dalarao, Palkonda.	Chargeman.	STO-G.
5289	Rao, K S. Raja.	1919	M.Sc. spl. Nuclear Physics & Cosmic rays. (Calcutta—'42)	Astrophysics and cosmic ray work.	Pres.— Solar Physics Laboratory, Kodaikanal. Perm.— O/o K. Subba Rao, Pleader, Madhu- giri, Mysore State.	Professional Assistant.	STO-G.
5290	Rao, K. Srinivasa (2/Lt.)	1929	B.Sc. (Madras—'49) M.Sc. spl. Positive rays. (Banaras—'51)	...	Pres.— O/o Arm Div. Sig. Regt., 58 A.P.O., New Delhi Perm.— C/o K Gundu Rao, 'Jalaja Nivas', Urva Marigudi Com- pound, Mangalore 3.	Technical Officer.	STO-G.
5291	Rao, Kandarpa Narashari	1921	B.Sc. Hons. (Andhra —'41) M.Sc. (Andhra—'42) Ph.D. Astrophysics. (Chicago—'49)	Published papers on P <sub>2</sub> , CO molecules and on a few specific problems in solar and stellar physics	Pres.— National Physi- cal Laboratory, (Divn. of Optics), New Delhi. Perm.— C/o Sri K. Rama- krishna Murty, Rama- chandraraopet, Ellore, West Godavary.	Jr. Scientific Officer.	R-SG.
5292	Rao, Kasibhatla Venkata Jagannadha.	1925	B.Sc. (Andhra—'44) M.Sc. spl. Wireless. (Banaras—'49)	...	Pres.— M.R. College, Vizianagram. Perm.— Rudrabhatla Vari House, Vizianag- ram.	Lecturer in Physics.	T-NG.
5293	Rao, Kurukundi Srinivasarao Ragha- vendra	1924	B.Sc. Hons. (Madras —'46) M.A. (Madras—'47)	Since 1946 doing teach- ing work up to B.Sc classes.	Pres.— Dept. of Physics, Gujarat College, Ahmedabad Perm.— II/263, Rupert's Gate Street, Brucepet, Bellary, Madras State.	Asstt Lecturer in Physics	T-NG.
5294	Rao, Mantri Yoga- nanda Narasimha	1921	B.Sc. Hons. (Andhra) M.Sc. spl. Quantum Mechanics & Crystal Physics. (Andhra)	Since 1944 teaching in various colleges.	Pres.— Govt. Arts College, Rajahmundry. Perm.— C/o M Kameswara Rao, Retd. Sub Regis- trar, Daba Gardens, Visakhapatnam.	Asstt Lecturer in Physics.	T-G.
5295	Rao, Matti Adhikari Ramachandra	1920	B.A. (Madras) B.Sc. Hons. (Madras)	Since 1940 doing teach- ing work.	Pres.— Govt. College, Mercara, Coorg. Perm.— Do.	Lecturer in Physics.	T-G.
5296	Rao, Nagumamtry Narasinha.	1925	B.Sc. Hons. (Andhra —'46) M.Sc. Appl. Physics. (Andhra—'47)	Instructions in electro- nics and in allied sub- jects.	Pres.— 823/1, Wright- town, Jabalpur. Perm.— C/o N. Krishna Rao, Lalita Colony, Daba Gardens, Waltair R.S.	Civilian In- structor in Signals.	T-G.
5297	Rao, Rajeswara Kasinadhuni.	1928	B.Sc. (Andhra—'47) M.Sc. Appl. Physics. (Andhra—'50)	...	Pres.— O/o K. Kames- wara Rao, Taluk Head Accountant, Ellore.	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5298	Rao, Venkata-	1909	B.A. (Andhra—'29) M.Sc. (Banaras—'31)	Published several articles and books on popular science subjects.	Pres.—Maharaja's College, Vizianagram. Perm.—Vasanthi Nikethanam, Kuspa, Vizianagram.	Head of the Dept. of Physics.	T-G.
5299	Rao, Veluvali Visweswara.	1912	B.Sc. (Andhra—'33) M.Sc. (Banaras—'36) B.Ed. (Andhra—'37)	Since 1937 engaged in teaching.	Pres.—P.S.M.B.H School, Sitanagaram, Madras State. Perm.—C/o N. Sri Ramamurti, Modekurru, via Kothapeta, Madras State.	Head Master	T-NG.
5300	Rao, Venkataramanan.	1918	B.Sc. (Madras—'40)	Doing research work in wireless engineering.	Pres.—All India Radio, New Delhi. Perm.—Andancoil, Karur.	Asstt. Engr	R-G.
5301	Rao, Vulavavenkateswara.	1929	B.Sc. (Andhra—'47) M.Sc. Appl. Physics. (Andhra—'51)	...	Pres.—East Veerayapalem, P.O. Darasi Taluk, Distt. Nellore. Perm.— Do.	...	Un.
5302	Rathor, Singb. Hukum	1916	B.Sc. (Lucknow—'41) M.Sc. spl. Wireless. (Lucknow—'43) B.Sc. Hons. Math. (Lucknow—'49) M.Sc. Math. (Lucknow—'50)	Worked for 7 years in the India Met. Dept. Now teaching postgraduate students in geophysics.	Pres.— Banaras Hindu University, Banaras. Perm.— Do.	Lecturer in Geophysics.	T-SG.
5303	Ray, Anil Krishna.	1924	B.Sc. (Calcutta—'45) M.Sc. spl. Wireless. (Calcutta—'47)	Published papers on the investigations of the low frequency Raman lines in the aromatic organic compounds.	Pres.— Surendra Nath College, Calcutta. Perm.—109, South Sincshee Road, Calcutta 30.	Lecturer in Physics.	TR-NG.
5304	Ray, Santosh Kumar.	1912	B.Sc. Hons. (Calcutta—'32) M.Sc. (Calcutta—'34)	19 years teaching work.	Pres.— Krishnagar College, P.O. Krishnagar, Nadia. Perm.— Ghurni, P.O. Krishnagar, Nadia.	Lecturer in Physics.	T-NG.
5305	Raychaudhuri, Amal Kumar.	1923	B.Sc. Hons. (Calcutta—'42) M.Sc. (Calcutta—'44)	Carrying on research in general theory of relativity and relativistic cosmology and published papers on the same.	Pres.—Indian Association for the Cultivation of Science, Jadavpur, Calcutta 32. Perm.— 62, Ballygunge Place, Calcutta 19.	Research Officer.	R-NG.
5306	Rohatgi, Kumar. Vijay	1930	B.Sc. Hons. (1950) M.Sc. (1959)	Doing research in the theory of fundamental particles.	Pres.— Physics Dept., University of Delhi, Delhi. Perm.— 6, Mangal Buildings, Chandni Chowk, Delhi.	Research Asstt	TR-SG.
5307	Roy, Prafulla Kumar.	1906	B.Sc. (Calcutta—'27) M.Sc. Appl. Physics. (Calcutta—'29)	Doing ballistic calculation in connection with proof and trials of guns and ammunitions.	Pres.—T.D.E., Balasore. Perm.— 11/1, Harvey Krishna Seth Lane, P.O. Coesipore, Calcutta 2.	Chargeman.	STO-G

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5808	Roy, Saines Chandra.	1906	B.Sc. Hons. (Calcutta—'26) M.Sc. (Calcutta—'29)	18 years teaching work.	Pres.— Rampurhat College, P.O. Rampurhat, Distt. Birbhum. Perm.— Do.	Lecturer in Physics.	T-NG.
5809	Roy Choudhury, Monoranjan.	1907	B.Sc. Hons. (Dacca—'29) M.Sc. (Dacca—'31)	5 years teaching work.	Pres.—Khargpur College, Khargpur. Perm.— 118/2, Hazra Road, Kalighat, Calcutta 26.	Professor of Physics.	T-NG.
5810	Sachdev, K.C.	1916	B.A. (Punjab—'36) B.Sc. Hons. (Punjab—'37) M.Sc. spl. Spectroscopy. (Punjab—'38)	15 years of teaching work.	Pres.— Govt. College, Rohtak. Perm.— Do.	Head of Physics Dept.	T-G.
5811	Saha, Amarendra Nath.	1929	B.Sc. (Calcutta—'49) M.Sc. Appl. Physics. (Calcutta—'51)	...	Pres.— C/o Pankaj Chaudhury, B.N. Rai Road, Kadamkuan, Patna 3. Perm.— 4, Bengali Library Road, Karanpur, Dehra Dun.	...	Appr.
5812	Saha, Arun Kumar.	1926	B.Sc. Hons. (Calcutta—'46) M.Sc. spl. Nuclear Physics & Cosmic radiation (Calcutta—'48)	Researches on (i) design and construction of pulse circuits and time bases (ii) forecasting of ionospheric characteristics, published papers on the same.	Pres.—Institute of Radio Physics and Electronics, University of Calcutta, Calcutta 9. Perm.— 40, Sitaram Ghosh Street, Calcutta 9.	Jr. Research Assistant.	R-SG.
5813	Saha, Dharani Kanti.	1919	B.Sc. (Calcutta) M.Sc. (Calcutta)	12 years teaching work.	Pres.— 104B, Upper Circular Road, Calcutta 9. Perm.— Do.	Science Teacher.	T-NG.
5814	Saha, N.M.	1910	B.Sc. (Calcutta—'38) M.Sc. spl. X-ray Crystallography (Dacca—'36)	Since 1937 doing mainly teaching work.	Pres.— Central Calcutta College, 8, Wellesley Street, Calcutta 18 Perm.— 7/1, Jagannath Sarkar Lane, Calcutta 23.	Prof. & Head of Physics Dept.	TR-NG.
5815	Sahiar, Burjorji Aderji	1919	M.Sc. (Bombay—'48)	8 years research work on cosmic rays with special reference to the Wilson chamber technique, published papers.	Perm.— Marine Chambers, Marine Lines, Fort, Bombay 1.	Research Fellow.	R-F.
5816	Saihgal, Roshan Lal.	1909	B.A. Hons. (Punjab—'29) M.Sc. (Punjab—'31) Dip. in Radio Commun. (G. & G. London—'37)	Industrial research and teaching of physics; published books for schools in science and hygiene.	Pres.— Government College, Ludhiana. Perm.— Do.	Lecturer in Physics	T-G.
5817	Saksena, Brij Mohan Lal.	1909	B.Sc. Hons. (Lucknow—'31) M.Sc. spl. Wireless & X-ray. (Lucknow—'32) LL.B. (Lucknow—'35)	Supervision and control of all testing work as well as guidance in research and development, published a number of reports on development problems.	Pres.—T.D.E., Kanpur. Perm.—C/o Shri Madan Mohan Lal, Vakil, Lakhimpur-Kheri.	Jr. Scientific Officer.	R-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5318	Sanjeevalab, Bheemanna	1926	B Sc. Hons. (Mysore—'50) M.Sc. spl. Wireless (Mysore—'52)	...	Pres.— Central College, Bangalore Perm — Junjaramanahally, Koratagere Taluk, Distt. Tumkur, Mysore State	Lecturer in Physics	T-G.
5319	Sanjeeviah, Hnumanthaiyah.	1929	B Sc. Hons. (Mysore)	...	Pres.— Intermediate College, Chikmagalure Perm.— Taluk Gubbi, Kallur.	Lecturer in Physics	T-N.G.
5320	Sankara, Krishnan K	1912	B A Hons. Physics (Madras—'34)	Worked for 11 years in the teaching line; since 1945 doing administrative work	Pres.—Supply Dept., Govt of Orissa, Cuttack. Perm.— Kalingal Madhom, Perambavoor, via Alwaye, Travancore Cochin	Under Secretary.	G
5321	Sanyal, Jnanendu Sundar	1910	M.Sc. (Calcutta—'35) B.L. (Calcutta—'39)	Supervision of optical instruments.	Pres.— Mathematical Instrument Office, 15, Wood Street, Calcutta Perm.— P27, Raja Basanta Roy Road, Calcutta 29	Asstt Foreman	STO-G.
5322	Sarkar, Anil Krishna	...	B Sc. (Calcutta—'18) M.Sc. (Calcutta)	...	Pres.—St Paul's College, Calcutta 9 Perm.— 65A, Mirzapur Street, Calcutta 9.	Demonstrator of Physics.	T-N.G.
5323	Sarkar, Nandalal.	1925	B Sc. Hons. (Calcutta—'45) M.Sc. spl. Elec. Commun. (Calcutta—'47)	Radar and radio communication engineering	Perm.— 6, Nilmani Mitra Row, P O Cossipore, Calcutta 2	...	Appr.
5324	Sarker, Dinabandhu.	1912	B.Sc Hons (Calcutta—'32) M.Sc. (Calcutta—'34)	Teaching work of mathematics and general science in high schools for 10 years and teaching of physics in higher secondary school for 4 years. Now doing research work in geophysics	Pres.—Dept of Mathematics, Bengal Engineering College, P O Botanic Garden, Distt Howrah Perm—P O Hill, Distt West Dinajpur.	Sr Research Assistant.	R-G
5325	Sarma, Kamalmani. (Mrs.)	1922	B Sc (Calcutta—'42) M.Sc. spl. Elec. Commun. & Radio. (Calcutta—'44)	Geophysical investigations and associated laboratory work	Pres.—Geological Survey of India, 27, Chowringhee, Calcutta 13 Perm — 8, Kali Mitra Lane, Calcutta 6.	Asstt Geophysicist.	STO-G
5326	Sarma, Kuchibhatla Subrahmanyam	1926	M.Sc Math. Physios. (Andhra—'48)	...	Pres.— Optics Division, National Physical Laboratory, Hillside Road, New Delhi. Perm — 22/115, Kaleswara Rao Road, P.O. Buckinghampet, Vijayawada 2, Madras State	Jr Scientific Assistant	R-SG.
5327	Sarna, Hari Ram.	1908	M.Sc (Punjab—'26) Ph.D. (London—'37)	Teaching to graduate and postgraduate classes and doing research.	Pres.—Punjab University College, Hoshiarpur. Perm — Do	Professor of Physics	TR-SG

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S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5928	Sastri, Mantrala L.N.	1925	B.Sc. (Banaras—'44) M.Sc. (Banaras—'47) Ph.D. (Durham—'51)	Doing research on molecular spectroscopy and electronic structure of poly atomic molecules, published papers on the same	Pres.—National Physical Laboratory, New Delhi. Perm.— Pithapuram, Distt East Godavari.	Jr. Scientific Officer.	R-SG.
5929	Sastry, N S. Linga.	1899	B.Sc. (Mysore—'31) B.T. (Mysore—'31) M.Sc. spl. Spectral Analysis. (Calcutta—'82)	Teaching in science.	Pres.—Govt. High School, Thirthahalli. Perm —C/o Sri P Nanjunda Sastry, Devamba Agrahar, Mysore.	Head Master.	T-G.
5930	Sat Dev.	1920	M.Sc. spl. Wireless. (Allahabad—'48)	Engaged in identification and inspection of signal and engineering stores used in the army.	Pres.— T D.E. (I & E) Dept., C/o C.O.D., Agra. Perm.— C/o Shri Ram Rakha, Mohalla Arya High School, Ludhiana.	Asstt. Foreman.	STO-G.
5931	Satyana <sup>r</sup> ayana, Durbakula.	1917	B.A (Madras—'35) M.A. Physics. (Madras—'37) I.T. (Madras—'39)	14 years teaching work to the intermediate and B.Sc classes	Pres.—Govt Arts College, Anantapur. Perm.—2/18, Extensions, Anantapur.	Asstt Lecturer in Physics	T-G.
5932	Satyana <sup>r</sup> ayana, Madabhushi.	1930	B.Sc. Hons. (Andhra—'51) M.Sc Appl. Physios. (Andhra—'52)	...	Pres.—C/o Sri M.V.V.K. Rangachari, Advocate, Kakinada Perm.— Do.	...	Un.
5933	Satyana <sup>r</sup> ayana Murti, Vanteddu,	1921	B.Sc (Andhra—'39) M.Sc Appl. Physios. (Andhra—'41) B.Ed (Andhra—'48)	Teaching physics to intermediate and B.Sc. classes.	Pres.—Govt. Arts College, Rajahmundry. Perm.—Mangalavarapupeta, Rajahmundry.	Asstt. Lecturer in Physics.	T-G.
5934	Satya Prakash.	1926	B.Sc (Nagpur—'47) M.Sc spl. Wireless. (Saugor—'49)	4 years teaching experience of inter & degree classes	Pres.—Near Branch Post Office, Jehangirabad, Bhopal. Perm — C/o Mr Sarjoo Prasad, Near Satya Narayan Temple, Patharia Phatak, Damoh, M.P.	Lecturer in Physics	T-
5935	Savarimuthu, P.	1910	M.A. Physics.	15 years teaching work in physics to graduate and postgraduate classes.	Pres.—St. Joseph's College, Trichinopoly. Perm.— 180, Convent Road, Trichinopoly.	Asstt. Prof. of Physics.	T-NG.
5936	Savithramma, B.V.	1924	B.Sc Hons (Mysore—'44) M.Sc. spl. Spectroscopy. (Mysore—'45)	Since 1945 teaching physics to intermediate and degree classes	Pres.—Maharani's College for Women, Bangalore. Perm.—No. 22, Venkataappa's Lane, Chickmagavalli, Bangalore 2.	Lecturer in Physics.	T-G.
5937	Sawardekar, Narahar Balkrishna.	1922	M.Sc. spl. Spectroscopy & Radiation. (Bombay—'49)	Since 1944 doing teaching work.	Pres.—National Defence Academy, Clement Town, Dehra Dun. Perm — C/o Dr. R.B. Sawardekar, Arthur Road Hospital, Bombay 11.	Lecturer in Physics.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5338	Sawhney, Chander Kumar	1930	B Sc. Hons. (Punjab—'50) M Sc (Punjab—'51)	2 years in teaching.	Pres — Dyal Singh College, Karnal Perm.—56-H, Connaught Circus, New Delhi	Lecturer & Head of Physics Dept	T-N.G.
5339	Saxena, Ambika Prasad.	1920	B Sc. (Agra—'40) M Sc (Agra—'42)	Since 1944 doing teaching work, published papers on Joshi effect	Pres — Holkar College, Indore Perm.— Do.	Reader in Physics.	T.B.—(i).
5340	Saxena, Anandeshwar Prasad	1931	B.Sc. (Agra—'48) M Sc spl. Wireless. (Agra—'51)	...	Pres — 88/540, Prem Nagar, Kanpur Perm.— Do.	...	Un.
5341	Saxena, Sharda Prasad	1927	B.Sc. (Agra—'46) M Sc (Agra—'48) M.A (Agra—'51)	Since 1948 teaching physics.	Pres.—National Defence Academy, Dehra Dun Perm.— Vill Mabarajpore, P.O. Fatehabad, Distt Agra.	Lecturer in Physics	T-G.
5342	Sen, Brahmaranjan	1906	B Sc (Nagpur—'26) M Sc. (Nagpur—'28) D I C. (London—'29) Ph D. Elec. Commun (London—'31)	Since 1933 teaching to undergraduate and post-graduate classes in physics	Pres.—College of Science, Nagpur	Asstt Prof. of Physics.	T-S.G.
5343	Sen, Dipti Kumar	1929	B Sc (Calcutta—'48) B Sc, Hons. Physics (Calcutta—'49) M Sc spl. Elec. Commun & Radio. (Calcutta—'50)	...	Pres.—St. Joseph's College, Darjeeling Perm — 41/21 A, Charu Avenue, Calcutta 33	Lecturer in Physics	T-N.G.
5344	Sen, Jitendra Mohan	1902	B Sc (Calcutta—'29) M Sc (Dacca—'26)	Teaching work for over 26 years.	Pres.— S.D. College, Ambala Cantt	Prof & Head of Physics. Dept	T-N.G.
5345	Sen, Saroj Kumar	1916	M Sc. (Patna—'39)	Testing of physical properties of stores and development work	Pres.— T.D E , Kanpur Perm.—C/o Dr. S.K. Sen, Retd Civil Surgeon, Burdwan Compound, Ranchi.	Sr. Scientific Assistant,	SPO-G.
5346	Sen, Tridibes Chandra	1921	B Sc Hons. (Calcutta—'42) M Sc spl. Radio & Line Commun Engg. (Calcutta—'44)	5 years of maintenance & telecommunication work.	Pres — No. 1 Wing, School of Signals, Mhow Perm — Deshbandhu Chittaranjan Road, Kadamtala, P O Jalpaiguri.	Technical Officer.	STO-G.
5347	Sen Gupta, Dhirendra Nath.	1903	B Sc (Calcutta—'25) M Sc. Appl. Physios (Calcutta—'27)	Inspection of armaments	Pres -T D E (H), Cossipore, Calcutta. Perm.— 19, Tanupukur Road, P O. Dhakuria, Calcutta	Asstt. Supdt	STO-(i).
5348	Sen Gupta, Shyamal.	1926	B S, Hons (Calcutta—'45) M Sc. spl. X-ray & Crystallography. (Calcutta—'47)	3 years teaching work.	Pres.— Krishnagar College, P O Krishnagar, Distt Nadia. Perm.— Do	Lecturer in Physics	T-N.G.
5349	Sen Gupta, Sudhindra Narayan.	1920	B.Sc. (Calcutta—'40) M Sc. spl. Wireless. (Calcutta—'42)	Geophysical exploration.	Pres -Geological Survey of India, Calcutta Perm.— 50H, Garcha Road, Calcutta	Asstt Geophysicist	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5350	Seshadri, V S	1908	M A Physics. (Madras)	15 years teaching work.	Pres.— Board High School, Kaveriapuk. Perm.— Do.	Science Asstt	T-SG.
5351	Sethi, Parkash. Rapinder	1921	M Sc. (Punjab—'48)	Assessment and collection of central excise duties.	Pres—Customs & Central Excise, Ferozepur. Perm — Qr. No 101, Shivaji Colony, Rohtak.	Supdt.	STO-G.
5352	Sethi, V S	1910	B A. Hons. (Punjab—'30) M Sc (Punjab—'32) B T (Punjab—'34)	Since 1935 engaged in teaching physics to intermediate and degree classes.	Pres — Govt. College, Ludhiana. Perm.— Do.	Lecturer in Physics	T-G.
5353	Setty, Dhulipet Lingappa setty Radhakrishna	1926	B Sc. Hons (Mysore—'50) M Sc spl Wireless (Mysore—'52)	3 years teaching work	Pres — Central College, Bangalore. Perm.— C/o Sri Y.C Suryanarayana Setty, General Merchant, Krishnaraja Nagara.	Lecturer in Physics	T-G.
5354	Sharada, Venkateswara.	1931	B Sc. Hons. (Mysore—'51) M Sc spl Wireless. (Mysore—'52)	...	Pres.— Central College, Bangalore. Perm.— A 20/1, Market Road, Basavangudi, Bangalore 4.	Lecturer in Physics	T-G.
5355	Sharma, Dharam Pal	1926	B Sc (Punjab—'47) M Sc (Punjab—'61)	2 years teaching work	Pres — Govt College, Mandi, H P Perm — 10, Model Town, Hoshiarpur.	Lecturer in Physics	T-G.
5356	Sharma, R K.	1897	M Sc. (Banaras—'22) M Am Phy Soc.	For the last 27 years teaching physics to B Sc classes, author of three books	Pres — Ewing Christian College, Allahabad Perm — Berkeley Street, Satna, V P	Head of Physics Dept	T-NG.
5357	Shenoy, R. Hariram.	1924	B Sc (Madras—'49) M Sc spl. Radio Physics. (Bombay—'47)	...	Pres — Officer Cadet No. S/116, 4/154 S Company, Military Wing, Dehra Dun Perm.— S/o Late R. Govardhan Shenoy, Karkala, S Kanara.	...	...
5358	Sherma, Kambham-paty Rama Krishna	1931	B Sc Hons (Andhra—'51) M Sc. Appl Physics (Andhra—'52)	...	Pres.— C/o K Gopala Krishna Murty Garu, Near Town Hall, Tanuku Perm — Do.	...	Un.
5359	Shurke, Jagadish-chandra Shridhar-rao	1927	B.Sc. (Bombay—'47) M Sc (Poona—'51) Dip Tech. in Radio Commun (Bombay—'50)	...	Perm — 889, Deccan Gymkhana, Poona 4	...	Un.
5360	Shiv Charn Dass (Subedar)	1916	B Sc. (Punjab—'39) M Sc. (Lucknow—'41)	Looking after clothing, equipment and mechanical transport	Pres — C/o HQ 301 Bde Area. Perm.— 99, Lachman Chowk, Dehra Dun.	J CO Storeman (Tech.)	STO-G.
5361	Shrivastava, Kumar.	1925	M Sc spl. Spectroscopy. (Nagpur—'48)	Since 1948 engaged in the teaching line.	Pres.— University of Saugor, Saugor. Perm.— 920, Parkota Ward, Saugor City	Lecturer in Physics	T-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5962	Shrivastava, Vijendra Kumar.	1925	B.Sc. (Nagpur—'46) M.Sc. (Nagpur—'48)	Since 1948 doing teaching work.	Pres.—College of Science, Rajpur, M.P. Perm.— Do	Lecturer in Physics	T-G.
5963	Shukla, Ram Niwas	1928	B.Sc. (Agra—'50) M.Sc. spl. Wireless, (Agra—'52)	...	Perm — 1/209, Nawab Ganj, Kanpur.		Un.
5964	Sibaiya, L.	1905	B.Sc. (Mysore—'25) M.Sc. (Mysore—'33) D.Sc. (Madras—'39) F.R.A.S (London) F.A.Sc. (India)	27 years service; teaching to undergraduate and postgraduate classes, published papers on hyperfine structure of spectral lines.	Pres — First Grade College, Mysore. Perm — Do	Principal & Prof of Physics	T-G.
5965	Sikand, Mahinder Singh	1929	B.Sc. Hons (Delhi—'49) M.Sc. (Delhi—'51)	...	Pres — C/o S. Raghbir Singh, Contractor, Ara Kashan Road, Pahar Ganj, New Delhi. Perm — Do.	Lecturer in Physics	T-
5966	Singh, Inderjit	1930	B.Sc. Hons. (1950) M.Sc. (1952)	...	Pres — Physics Dept., University of Delhi, Delhi. Perm — 9-D, Maurice Nagar, Delhi 8	Jr. Research Fellow, (A.E.C.)	R-F.
5967	Singh, Nand Lal.	1908	B.Sc. (Banaras—'29) M.Sc. spl. X-rays. (Banaras—'31) D.Sc. Band Spectroscopy. (Banaras)	Since 1931 teaching physics to graduate & postgraduate classes and doing research mainly on molecular spectra & molecular structure; published several research papers in scientific journals and written books in physics	Pres —College of Science, Banaras Hindu University, Banaras. Perm — Vill. Khajurahan, P.O. Mariyahun, Distt. Jaunpur	Lecturer in Spectroscopy	TR-SG
5968	Singh, Ram Gopal.	1920	B.A. (Punjab—'39) B.Sc. Hons. (Punjab—'48) M.Sc. (Punjab—'49)	Criminology and now doing research on various problems in optics, photochemistry and flame spectroscopy	Pres —National Physical Laboratory of India, Hillside Road, New Delhi Perm — Bajwara, Distt. Hoshiarpur.	Scientific Asstt	R-SG
5969	Singh, Ram Neti.	1916	B.Sc. (Banaras) M.Sc. (Agra) Ph.D. (Banaras)	Teaching physics since 1942 upto degree classes, publications on the nature of fading of radio signals and ionosphere.	Pres.— B.R. College, Agra. Perm -- Vill. Rehati, P.O. Trilochan Baragaon, Distt Jaunpur	Professor of Physics	T-N.G.
5970	Singh, Ram Swarup	1899	B.Sc. (Allahabad) M.Sc. spl. Spectroscopy (Allahabad)	32 years teaching experience and now doing research work on Raman spectra of organic substances, published papers	Pres — Agra College, Agra. Perm.— 3088, Madia Katra, Agra	Reader.	T-SG.
5971	Sinha, Sudarshan Prasad.	1918	B.Sc. Hons (Patna—'38) M.Sc. (Patna—'40) Ph.D. (Patna—'45) Ph.D. (London—'47) D.I.C. Spectroscopy (London—'47) F.P.S. (London)	Worked as Assistant Professor of Physics for 9 years Since 1950 doing research and development work connected with the defence problems. Published several papers mostly on spectroscopic subjects	Pres — T.D.E. Laboratories, Kanpur Perm.— Vill & P.O. Buthia Buzurg, Distt Darbhanga, Bihar.	Sr. Scientific Officer	R-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5373	Sivaramakrishnan, Melarkode Venkates- waraiyar.	1914	M.A. Physics. (Madras—'35) L.T. (Madras—'41) M.Sc. (Madras—'42)	Worked for 6 years in the teaching line. For the last 8 years doing research in geomagnetic and ionospheric work.	Pres.— Solar Physics Observatory, Kodai- kanal. Perm — Do.	Asstt Meteo- rologist	R-G.
5373	Sohan Singh.	1911	B.Sc. (Agra—'38) M.Sc. (Lucknow—'35) D.Sc. (Munich—'49)	For 7 years worked as Lecturer in physics at Munich (Germany). Since 1947 engaged in researches in crystallo- graphy, spectroscopy, chemistry of rare earths, fluorescence and phos- phorescence; published several papers.	Pres.— National Physi- cal Laboratory, Hillside Road, New Delhi 2. Perm — 2, Pusa Road, New Delhi 5.	Sr. Scientific Officer	R-SG.
5374	Sood, Baldev Singh.	1929	B.Sc. Hons. (Punjab —'51) M.Sc. spl. Cosmic rays. (Punjab—'52)	...	Pres.— Dept of Physics, B.M. College, Simla. Perm — 142-D, Kamla Nagar, Subzimandi, Delhi 6	Lecturer in Physics.	T-NG
5375	Sood, Prakash Chandra.	1928	B.Sc. (Punjab—'48) B.Sc. Hons. Physics. (Punjab—'51) M.Sc. (Punjab—'52)	...	Pres.— Government Col- lege, Rohtak. Perm — C/o Shri Boora Ram Sood, Postal Dept., Jullundur City.	Lecturer in Physics.	T-G.
5376	Sree, R. (Mrs.)	1909	B.Sc. (Mysore—'29) M.Sc. (Mysore—'34) Ph.D. (California—'50)	Nuclear physics, biophy- ics and genetics (radia- tion); published papers on Raman effect and adiabatic compressibili- ties of oils	Pres.— Physics Dept., Central College, Banga- lore Perm — 101, 3rd Cross Road, Gandhi Nagar, Bangalore 2.	Asstt Prof	T-G.
5377	Sreeramamurty, Kaza	1926	B.Sc. Hons. (Andhra —'46) M.Sc. spl. Spectro- scopy. (Andhra—'47) D.Sc. Spectroscopy. (Andhra—'51)	Teaching and directing research mainly in spectroscopy.	Pres.— Andhra Univer- sity, Waltair Perm — Do	Lecturer in Physics	TR-SG.
5378	Srikantan, S Krishna- murti	1925	B.Sc. Hons. (Mysore —'44)	4½ years work in the engineering section of A I R.	Pres.— Research Dept., A I R, New Delhi Perm — Parnakuti, 1, Cross Road, Bangalore.	Asstt Engineer	STO-G.
5379	Srikantiah, B. Srinivasa- iyya.	1920	B.Sc. Hons. (Mysore —'41) M.Sc. spl. Wireless. (Mysore—'42)	Worked for 3 years, in teaching line. Now doing research in melting & casting of metals, heat treatment and general physical metallurgy; published papers on the above subjects.	Pres.— National Metal- lurgical Laboratory, Jamshedpur. Perm.— 1, North Anja- neya Temple Street, P.O. Basavangudi, Bangalore 4.	Jr. Scientific Officer.	R-SG.
5380	Srinivasan, P.S.	1900	B.A. Hons. (Madras —'21) D.Sc. (Madras—'42)	From 1923-53 worked in teaching line in differ- ent institutions, pub- lished papers on Raman spectra and ultraviolet irradiations.	Pres.— T.D.E. Labora- tories, Kanpur.	Sr. Scientific Officer.	G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5981	Sriraman, Srinivasa.	1909	M.A. Physics. (Annamalai) M.Sc. spl. Magnetism (Annamalai)	Since 1933 engaged in teaching work; published papers on diamagnetic susceptibility.	Pres.—Annamalai University, Annamalai-nagar. Perm.— Do.	Lecturer in Physics.	T-SG.
5982	Srivastava, Nilamber.	1931	B.Sc. (Agra—'49) M.Sc. (Agra—'51)	...	Pres.— Agra College, Agra. Perm.—4080, Gokulpura, Agra.	Lecturer in Physics.	T-SG.
5983	Srivastava, Behari Lal	1924	B.Sc. (Agra)	Planning of broadcast services.	Pres — Research Dept., A.I.R., New Delhi. Perm. — Mohalla Kas-talwa, Vill & P.O. Purwa, Distt Unnao.	Asstt. Engineer.	STO-G.
5984	Subbaramaiya, D S	1913	B.Sc. Hons (Mysore—'33) A I I Sc. (Bangalore—'40)	For the last 14 years teaching physics, published research papers	Pres — Dept of Physics, Central College, Bangalore. Perm.— Do.	Lecturer in Physics	T-G.
5985	Subbarao, Bomma-kanti Siva.	1924	B.Sc. (Andhra—'43) M.Sc. Radio Physics & Electronics (Poona—'50) Dip. Tech. Radio Commun (Bombay—'47)	Electronics (reception & transmission and equipment used in aviation)	Pres — A.V. Parekh Technical Inst., Rajkot. Perm.— Kesarapalli, Gannavaram Taluk, Distt Kistna.	Lecturer in Radio Engg.	T-NG.
5986	Subrahmanyam, Pabbathi.	1929	B.Sc. (Andhra—'50) M.Sc. spl Spectroscopy (Banaras—'52)	..	Pres—C/o Pabbathi Sita Ramalak, Durgagraham, Vijayawada 2.	...	Un.
5987	Sukthankar, Ramdas Balkrishna.	1928	B.Sc. Hons. (Bombay—'50) M.Sc. spl. Radio Physics & Electronics (Bombay—'52)	...	Pres.—Siddharth College, Bombay 1. Perm.—77, New Hanuman Bidg , Kiln Lane, Procter Road, Bombay 7	Demonstrator in Physics.	T-NG.
5988	Sundara Babu, A.	1925	B.Sc. (Madras—'45) M.A. spl. Wireless. (Madras—'48) M.Sc. Radar Measurements. (Madras—'53)	6 years service as a demonstrator	Pres.— No. 3, G.T.S., I.A.F. Station, Jalahalli, Bangalore. Perm — 62, Elephant Gate Street, Madras 1.	Asstt Prof of Radar.	TR-G.
5989	Sundaram, Kanyur Venkatagiri.	1927	B.Sc (Annamalai—'47) M.Sc. spl. Wireless Commun and Radio. (Calcutta—'51)	Teaching engineering physics	Pres.—P.S.G. College of Technology, Peelamedu, Coimbatore. Perm.— C/o Shri K.A. Venkatagiri, P.O. Kanyur, Distt Coimbatore	Lecturer in Physics.	T-NG.
5990	Sundaram, Ladislaus Chinuadurai	1928	B.Sc. Hons. (Travancore)	Since 1945 engaged in the teaching line	Pres—St. Joseph's College, Teppakulam, Trichinopoly Perm.— Do.	Lecturer in Physics.	T-NG
5991	Sundaram, S	1927	M.A. Physics. (Madras—'48)	...	Pres — St. Joseph's College, Trichinopoly Perm.—87, Shamapiram Street, Trichinopoly	Lecturer in Physics	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5392	Sundaram, Swami-natha	1924	M.A. Physics, (Annamalai—'47)	Since 1945 teaching physics	Pres — Annamalai University, Annamalainagar. Perm — Do.	Lecturer in Physics.	T-SG.
5393	Sur, Kumar Brajendra	1896	B.Sc. Hons. (Calcutta —'16) M.Sc. (Calcutta —'18)	32 years teaching experience.	Pres. — S.A. Jaipuria College, 10, Raja Naba Kissen Street, Calcutta 5 Perm. — P. 299 B, Darga Road, Park Circus, Calcutta 17.	Lecturer in Physics.	T-NG.
5394	Sur, Kumar. Prabhulla	1905	B.Sc. Hons. (Allahabad —'26) M.Sc. (Allahabad —'28) D.Phil. (Allahabad —'52)	For the last 25 years teaching physics, published papers on absorption spectra of diatomic molecules	Pres. — Ewing Christian College, Allahabad Perm. — 107B, South Malaka, Allahabad.	Lecturer in Physics.	T-NG.
5395	Suryanarayanan, G	1924	B.Sc. Hons. (Mysore) M.Sc. spl. X-ray (Mysore —'47)	12 years research work on various problems, e.g. magnetism, RF spectroscopy, ultrasonics, theoretical physics and X-rays; published papers on the same.	Pres — Dept. of Physics, Indian Institute of Science, Bangalore. Perm — 129, Ursopet, Bangalore 2.	Sr. Research Scholar	R-S
5396	Sutradhar, Nanigopal	1924	B.Sc. Hons. (Dacca —'45) M.Sc. spl. Spectroscopy. (Dacca —'46)	...	Pres — Scottish Church College, Calcutta Perm. — 23/5A, Budhoo Osafgar Lane, Calcutta 9.	Prof. of Physics.	T-NG.
5397	Swaminathan, Krishna Iyer.	1922	B.Sc. Hons (Bombay —'44) M.Sc. spl. Spectroscopy. (Bombay —'46) A Inst.P. (London)	Worked for 6 years in the teaching line. At present engaged in optical design	Pres. — Ordnance Factory, Dehra Dun Perm. — C/o Dr. S.R. Rao, Central College, Bangalore.	Chargeman.	STO-G.
5398	Syed Yakub	1913	B.A. (Madras —'35) M.A. Physics. (Madras —'47) L.T. Physical Science (Madras —'38)	Since 1940 doing teaching work.	Pres — Govt. Arts College, Madras. Perm. — 11, Bangaru Naickem Street, Mount Road, Madras 2	Lecturer & Head of Physics Dept.	T-G.
5399	Syed Ziauddin	1919	B.Sc. (Mysore —'41) M.Sc. spl. Spectroscopy (Aligarh —'45) M.S. Elec. Engg Commun. (Chicago)	Teaching physics to intermediate and degree classes since 1941.	Pres. — First Grade College, Tumkur.	Asstt Prof. of Physics.	T-G.
5400	Tankhiwale, Anand Vyankatesh.	1925	B.Sc. (Nagpur —'46) M.Sc. (Nagpur —'48)	Since 1948 doing teaching work.	Pres. — Govt. Science College, Raipur, M.P. Perm. — Do.	Lecturer in Physics.	T-G.
5401	Thanaraj, Stanley S	1932	B.Sc. Hons. spl. Wireless. (Madras —'59)	...	Pres. — Madras Christian College, Tambaram. Perm. — C/o Mr. Luke Devadoss, 17, Chinna Natham, Chingleput.	Lecturer in Physics.	T-NG.

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S.No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5402	Thangaraj, Manuel A.	1918	B.Sc. Hons. (Anna-malai—'39) M.A Physics. (Anna-malai—'41) Ph.D. (Toronto—'48)	Since 1939 doing teaching work, now engaged in research on cosmic rays both by the nuclear emulsion technique and by coincidence G-M counter method.	Pres.—Madras Christian College, Tambaram.	Prof. of Physics.	TR-NG.
5403	Thiruvengadathan, Arasalwar Iyengar.	1925	B.Sc. Hons. (Madras—'46)	Worked for 4 years in the teaching line. Now engaged in geomagnetic and ionospheric work.	Pres.— Solar Physics Observatory, Kodaikanal Perm.—Saunadihi Street, Otapidaran, via Tattapparai, Distt. Tirunelveli.	Professional Assistant	STO-G.
5404	Tikare, Narayan Dattatraya.	...	B.Sc. Hons. (Bombay—'46) Dip. Tech. in Radio Commun. (Bombay—'49) M.Sc. spl. Wireless. (Poona—'51)	5 years teaching work in radio communication.	Pres.— C/o Secretary, B.K. Mahajan Wadi, Chamar Bag Road, Parel, Bombay 12 Perm.—C/o K.V. Shirolkar, 579 'A', Rama Niwas, Sadashiv Peth, Poona 2.	Demonstrator in Physics	T-
5405	Tilak, M Seeta. (Mrs)	1919	B.A. (Madras—'39) B.Ed. (Audhra—'40) M.Sc. (Banaras—'42)	10 years teaching work	Pres.— Queen Marys College, Madras. Perm.— 68, Luz Church Road, Madras 4.	Asstt Lecturer in Physics.	T-NG.
5406	Tirunarayananchar, T.	1903	B.Sc. (Mysore—'24) M.Sc. (Calcutta—'30)	29 years of teaching work.	Pres.— Central College, Bangalore.	Lecturer in Physics.	T-G.
5407	Trehan, Parma Naud.	1927	B.Sc. (Punjab) B.Sc. Hons (Punjab) M.Sc (Punjab)	...	Pres.—Dept. of Physics, Punjab University, Hoshiarpur. Perm.— C/o Prof. B.S. Bahl, Head of Chem. Dept., D.A.V. College, Jullundur.	Demonstrator.	T-SG.
5408	Trehan, Surindar Kumar.	1931	B.Sc. Hons. (Delhi—'50) M.Sc. (Delhi—'52)	Doing research in the theory of fundamental particles.	Pres.— Physics Dept., Delhi University, Delhi Perm.— 417, Dr. Joshi Road, New Delhi 5	Jr Research Fellow. (AEC)	R-F.
5409	Trivedi, Shirishakant Atisukhashankar.	1910	B.Sc. (Bombay—'34) M.Sc. (Bombay—'37) Ph.D. (Manchester—'41) A Inst P (London)	From 1944-47 engaged in meteorological work. Conducted research on high vacuum & infrared work including testing of fuels by spectroscopic methods	Pres.—T.D.E., Kanpur. Perm.— Ambaji Road, Surat.	Jr. Scientific Officer.	R-G.
5410	Tuteja, Suraj Prakash.	1916	B.Sc. (Lucknow—'38) M.Sc. spl. Wireless. (Lucknow—'40)	11 years teaching work.	Pres.—N.D.A., Clement Town, Dehra Dun. Perm.— 26, Anand Chowk, Dehra Dun.	Lecturer in Physics	T-G.
5411	Unvala, Hoshang Ardeshir.	1922	B.Sc (Bombay—'39) M.Sc. (Bombay—'42)	Computing and designing of optical instruments.	Pres.—Ordnance Factory, Raipur, Dehra Dun. Perm.— Unvala Street, Udvada, Distt. Surat.	Foreman	STO-G.
5412	Upadhyaya, Vijay-chandra Natwarlal.	1917	M.Sc. (Bombay—'49)	...	Perm.—Moti Brahm pole, Petlad	Prof. of Physics.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5413	Upasani, Kamalakant Ramakant.	1922	M.Sc. (Bombay—'47)	7 years teaching work.	Pres.—College of Science, Raipur, M.P. Perm — Do	Lecturer in Physics.	T-G.
5414	Vachaspati	1924	M.Sc. (Delhi—'46) Ph.D. Nuclear Physics. (Delhi—'51)	Conducting research in theoretical physics, published papers on the meson field for nuclear interactions.	Pres—Physical Research Laboratory, Navrangpura, Ahmedabad	Reader in Theoretical Physics	R-NG.
5415	Vanithamony, Parameswaran.	1931	M.Sc. spl. Electronics. (Travancore—'52)	Studying of sugar-cane physiology in relation to climate.	Pres—Sugar-cane Breeding Inst., P.O. Lawley Road, Coimbatore Perm — C/o G. Parameswaran, Cordite Factory, Aruvankadu, Nilgiris.	Senior Asstt. (Meteorology)	STO-G.
5416	Varma, Harish Chandra.	...	B.Sc. (Agra—'49) M.Sc. (Agra—'51)	...	Pres.— 107/218, Nehru Nagar, Kanpur Perm — Vill. & P.O. Ledula, Distt. Jaunpur, U.P.	...	Un.
5417	Varshni, Yatendra Pal.	1932	B.Sc. (Allahabad—'50) M.Sc. spl. Spectroscopy (Allahabad—'52)	Engaged in research on molecular spectra for D.Phil degree, published papers dealing with boiling point of organic compounds, critical constants, elasticity, optical technique, etc	Pres — Allahabad University, Allahabad. Perm — 7, Edmonstone Road, Allahabad.	Research Scholar	R-S.
5418	Vashist, Rameshwar Nath.	1927	B.Sc. (1945) B.T. (1947) M.Sc. spl. Wireless. (1950)	3 years of teaching work to undergraduate and postgraduate classes.	Pres.—Punjab University College, Hoshiarpur Perm.— Do	Lecturer in Physics	T-SC
5419	Vasudeva, Dev Datt.	1912	B.A. (Punjab—'38) M.Sc. (Punjab—'35)	Since 1938 doing teaching work	Pres.— Khalsa College, Amritsar Perm—Vill. Saasoli, Distt. Hoshiarpur.	Lecturer in Physics	T-NG.
5420	Vedavalli, Partasarathy.	1920	B.Sc. Hons. (Anna-mai—'49) B.T. (Madras—'45)	10 years teaching work.	Pres.—Lady Irwin College, Sikandra Road, New Delhi. Perm — 92, Nadamuni St., Theagarayanagar, Madras 17	Lecturer in Physics	T-NG.
5421	Venkatalakshamma, Malur Ramaswamy.	1925	B.Sc. Hons. (Mysore—'48) M.Sc. spl. Wireless (Mysore—'52)	...	Pres — Central College, Bangalore. Perm.—S 120, Sultanpet, Bangalore 2.	Lecturer in Physics.	T-G.
5422	Venkatesarasimhaiah, Chamarajanagar Krishnavadhanu	1921	B.Sc. Hons. (Mysore—'49) M.Sc. (Mysore—'46)	5 years of teaching work in physics	Pres.—Intermediate College, Hassan. Perm.— Do.	Lecturer in Physics	T-NG.
5423	Venkataraman, Subramaniam.	1905	B.A. (Madras) B.Sc. (Madras) M.Sc. (Madras) A Inst P. (London)	Teaching physics up to degree classes for the last 24 years.	Pres.— Nizam College, Hyderabad. Perm.— Do.	Head of Physics Dept	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5424	Verma, Mahendra Narayan	1908	M Sc (Patna—'30)	22 years of teaching work, published papers and books in elementary physics.	Pres — Science College, Patna. Perm — Do	Prof. of Physics.	T-G
5425	Vikram, Ambalal Sarabhai	1919	B.A. (Cantab.—'40) M A. Natural Sciences Tripos (Cantab.—'42) Ph.D (Cantab.—'46) F A Sc. (India) F P.S. (London) M Am Phy Soc	Experimental cosmic ray physics and cosmic ray nuclear physics, published several papers concerning cosmic radiation	Pres.—Physical Research Laboratory, Ahmedabad 9 Perm — 'Chidambaram', Wadej Road, Ahmedabad	Prof. of Cosmic Ray Physics	T-SG.
5426	Visvesvaran, Kuppusamyaiyer	1918	B Sc Hons (Anna-malai—'40) M A Physics. (Anna-malai—'43)	...	Pres—Annamalai University, Annamalainagar Perm — Vill. Neemeli, P O Valluvakkudi, Soikali	Lecturer in Physics	T-SG.
5427	Viswanathaiyer, T S Kasi	1923	B.Sc (Madras—'49) M Sc spl Wireless. (Allahabad—'47)	...	Pres—Birla Engineering College, Pilani Perm — C/o T L Subramania Iyer, Garden House, Nurani, Palghat.	Asstt Prof of Physics	T-NG.
5428	Viswanathan, Rama-krishna.	1906	M.A Physics (Madras—'28)	Since 1928 doing teaching work	Pres -- Annamalai University, Annamalainagar Perm.— Do.	Associate Prof of Physics	T-SG
5429	Yadav, Haribansh Narayan	1913	B Sc. (Patna—'34) M Sc spl Spectroscopy. (Patna—'36) M Sc. Math. (Patna—'42) Ph.D Appl. Math (London—'49)	Since 1941 teaching physics and mathematical physics, published papers on spectroscopy and scattering problems	Pres — Physics Dept., Patna University, Patna. Perm.—Vill. Herudiara, P O. Monghyr.	Asstt Prof. of Physics	T-SG



# METEOROLOGY

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5430	Acharya, Udipti Raghavendra (F/Lt.)	1914	B.Sc. Hons (Madras) M.A. (Madras—'35)	From 1936-42 worked as Lecturer in Physics Since 1943 employed in the Meteorological branch of I A F, ex- perience in aviation forecasting.	Pres.— A T W. I.A.F., C/o 56 A P O, New Delhi Perm — Chitpadi Road, Udipti, S India	Wing Meteorolog- ical Officer.	STO-G.
5431	Ananthakrishnan, T A	1902	B.A. (Madras—'25)	Since 1927 service in the India Met Dept.	Pres.-Regional Meteorolog- ical Centre, Nagpur 5 Perm.— Do.	Asstt Meteo- rologist	STA-G.
5432	Ananthasubrahman- yam, C.K.	1908	B.A (Madras—'28) M.Sc. spl. Spectro- scopy. (Madras—'42)	Weather forecasting, published papers	Pres.— Meteorological Office, Sonegaon Air- port, Nagpur Perm — No. 1, Cookson Road, Richards Town, P.O Fraser Town, Ban- galore 5.	Professional Assistant	STO-G.
5433	Banerjee, Ajit Kumar.	1926	M.Sc Physics. (Nag- pur—'46)	...	Pres -Forecasting Office, Sonegaon, Nagpur. Perm -Dhantoli, Nagpur	Professional Assistant.	STO-G.
5434	Benerji, Romesh Chandra.	1919	B.Sc. M.Sc. Ph.D Collod Chem.	Forecasting of weather	Pres.— India Meteorolog- ical Department, Calcutta Perm.— R 347 B, Dum Dum Airport, Calcutta 28.	Asstt Meteo- rologist.	STO-G
5435	Bhatia, Hiranand Methatam.	1909	B.Sc. Hons (Punjab —'24) B.T. (Bombay—'30)	Served as Science Master for 28 years Now engaged in the meteorolog- ical work.	Pres — Meteorological Office, Santacruz, Bom- bay. Perm -131, Machhliman, Versova Road, Andheri, Bombay.	Scientific Asstt	STO-G.
5436	Bhattacharya, Phanindra Bhushan.	1920	B.Sc Hons (Calcutta —'39) A I I S T Dip. Tech. (Kanpur —'42)	Worked in the milling plants and sugar works Now doing work con- nected with synoptic meteorology	Pres — Meteorological Office, I A F, Loha- gaon, Poona 6 Perm — 49, Dev Lane, P O Intally, Calcutta.	Asstt Meteo- rologist	STO-G
5437	Boothalingam, P N.	1919	B Sc (Travancore —'40) M A Physics. (Mad- ras—'49)	10 years service in the India Met Dept, ex- perience in weather forecasting.	Pres.— Meteorological Office, Barrackpore. Perm —C/o P S Nar- ayana Iyer, Vakil, Pou- kunnam, Kottayam, Travancore-Cochin	Asstt Meteo- rologist	STO-G.
5438	Changraney, Tikam Gobindram	1923	B So. Hons. (Bombay —'44)	Worked on the analysis of dyes, mineral ores, sugars, etc Now eng- aged on forecasting of weather	Pres. — Meteorological Office, Civil Aerodrome, Ahmedabad 12. Perm.— Do	Scientific Asstt	STO-G
5439	Chaudhury, Himansu Mohan.	1927	B.Sc Hons (Utkal —'46) M.Sc. spl. Spectro- scopy. (Allahabad —'48)	Doing analysis of sur- face weather & upper air charts and forecast- ing weather especially for aviation	Pres.— Meteorological Office, Barrackpore Air- port, P.O. Bengal Ena- mel, 24 Parganas.	Asstt Meteo- rologist	STO-G.

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S. No. S.T.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5440	Daniel, Ebenezer Robert	1917	B Sc Hons (Rangoon —'39)	From 1944-52 service in India Met Dept and from 1952 to-date in the Meteorological branch of the I A F	Pres.—Detachment No 1, Wing I A F, C/o 56 A P O, New Delhi Perm — Pannavilai P O , Distt Tiruvelly	Meteorological Officer	STO-G.
5441	Das, Prosad Kumar	1928	B Sc. Hons (Patna —'46) M Sc (London—'48) F.R.Met.Soc (Lon- don)	4 years work in forecast- ing of weather	Pres — Meteorological Office, Poona 5 Perm.— India Meteorolog- ical Dept., Lodi Road, New Delhi 3	Meteorologist	STO-G
5442	Das, Santosh Kumar.	1903	M Sc. Physics (Dacca) M Sc Meteor (Lon- don - '30) D I C Meteor. (Lon- don—'30) F R Met Soc (Lon- don)	29 years service in the India Met Dept.	Pres — The Observatory, Lodi Road, New Delhi 3 Perm.— 28, Pandit Place, Calcutta 29	Meteorologist	STO-G.
5443	Datar, Vinayak Vaman.	1909	B Sc (Bombay '30) B A (Bombay—'39)	Joined the India Met Dept in 1931	Pres — 267, Sadashiv Peth, Poona 2 Perm.— Do	Scientific Asstt.	STO-G.
5444	D'cruz, Bruno Luke	1920	B Sc Hons. (Madras —'41) Training in Commun Engg (I.I.Sc Bangalore)	From 1945-52 service in India Met Dept and from 1952 to-date in the Meteorological branch of the I A F	Pres — 905 Wing, I.A.F., C/o 56 A P O, New Delhi. Perm — 23, Puliakulam Road, Coimbatore	Meteorological Officer	STO-G.
5445	De, Jnanaranjan.	1922	B.Sc. (Calcutta—'42)	Since 1942 working in the India Met Dept. on technical work in connection with weather forecasting.	Pres — Meteorological Office, Civil Aerodrome, Ahmedabad 12 Perm — 66/1, First Floor, Simla Street, Calcutta 6.	Scientific Assistant.	STO-G.
5446	Deshpande, Dinkar Vishwanath. (F/Lt.)	1917	M Sc Math (Bombay —'40)	From 1938-42 worked as Tutor in physics, 1942-52 service in the India Met Dept and from 1952 to-date in the Meteorological branch of the I A F.	Pres — Headquarters No. 1 Wing, I.A.F., C/o 56 A P.O., New Delhi. Perm — C/o J V Deshpande, Advocate, 908/B, Sadashiv Peth, Poona 2	Sr. Meteorolog- ical Officer	STO-G.
5447	Dhar, Nihal Chandra	1920	M Sc spl Wireless Commun (Calcutta —'42)	Design and construction of radio-sonde receivers and recorders for radio- sounding; operation and maintenance of radar	Pres — Meteorological Office, Poona 5	Professional Assistant	STO-G.
5448	Ganesan, Vaithinatha	1904	B A. Math. (Madras)	25 years weather fore- casting work, published technical papers	Pres.—The India Meteorolog- ical Dept., New Delhi Perm -- Do	Meteorologist	STO-G
5449	George, Plavelil Abraham.	1917	B A (Madras—'38) B Sc. Hons (Madras —'41)	Weather forecasting.	Pres — Meteorological Office, Hindustan Air- port, Bangalore Perm.— Plavelil House, P.O. Kumbanad, Tra- vancore.	Asstt. Metro- logist.	STO-G

## METEOROLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5450	Ghose, Sunil Kumar.	1919	B.Sc. Hons. Physics. (Calcutta—'38) B.Sc. Hons. Geog- raphy. (Calcutta—'42) M.Sc. spl. Meteor. (Calcutta—'44)	Worked for 5 years in the teaching line Since 1945 doing weather forecasting work and climatological analysis, published papers.	Pres.— Meteorological Office, Poona 5. Perm.— 9/2B, Harituki Bagan Lane, Calcutta 6.	Asstt. Meteo- rologist	STO-(T.)
5451	Joseph, K.D.	1924	B.Sc. Hons. (Madras —'45)	Weather forecasting.	Pres — 277-C, Gandhi Nagar, 4th Main Road, Adyar, Madras 20 Perm — C/o Jos Theatre, Trichur.	Asstt. Meteo- rologist.	STO-(G)
5452	Kalambi, Sadanand Narayan.	1929	B.Sc. Hons. (Bombay —'50)	...	Pres.— Meteorological Office, Bombay. Perm — U-8, Anand- ashram, Proctor Road, Grant Road, Bombay 7.	Scientific Asstt	STO-G.
5453	Kamalaker, Manje- war.	1916	B.A. Math. (Madras —'36)	Aviation weather fore- casting.	Pres — Pilot Balloon Observatory, Gadag. Perm.— C/o M S Rao, 593, Yeshodham, Jame Jamshed Road, Bombay	Scientific Asstt	STO-G.
5454	Kulkarni, Sharan- gadhar Bharatrao	1920	B.Sc. Hons. (Nagpur —'43)	Joined the India Met Dept in 1944, studying the weather charts and allied work.	Pres — Meteorological Office, Poona 5 Perm.— C/o Shri B R Kulkarni, Pleader, Akot, Distt Akola, Madhya Pradesh	Asstt. Meteo- rologist	STO-(T.)
5455	Kulasheththa, L.N.	1906	B.A. (Agra—'40) M.Sc. Math. (Nagpur —'48) LL.B. (Rajputana—'50)	24 years service in the India Met. Dept	Pres.— Meteorological Office, Lucknow Perm.— India Meteorolog- ical Dept., New Delhi	Scientific Asstt	STO-G.
5456	Loganathan, Aru- mugamangalam Pad- maanabier.	1923	B.A. Math. (Madras —'42)	...	Pres — Meteorological Office, Begumpet Air- port, Hyderabad Perm.— C/o A P Gan- esan, Advocate, New Colony, Tuticorin.	Offg. Scientific Assistant	STO-G.
5457	Madnani, Menghraj Lalsingh	1919	B.Sc. (Bombay—'42)	...	Pres.— H-1/1, Aerodrome Quarter, Moral Andheri East, Bombay.	Scientific Asstt	STO-G.
5458	Mandyam, Veeram- budi Krishna- swamy.	1917	B.Sc. Geology. (Mysore —'49)	Weather forecasting.	Pres.— C/o Regional Meteorological Centre, Airport, Nagpur 5 Perm — 164, Oar Street, Srirangapatna, Mysore State	Scientific Asstt	STO-(G)
5459	Mathur, Mahabir Dial.	1905	B.A. (Punjab—'26) M.Sc. Physics. (Pun- jab—'28)	Meteorological work and communications (Wire- less & T/P).	Pres — Weather Office, Poona 5 Perm — 1/40, Regal Building, Connaught Place, New Delhi.	Asstt. Meteo- rologist	STO-(G)
5460	Menon, P. Achutha.	1922	B.A. (Madras—'41) M.Sc. Phy. Chem. (Baroda—'43)	Aviation meteorology.	Pres — No. 4 Wing, I.A.F., Agra. Perm.— C/o Dr. P A Menon, P.O. Kottakkal, S. Malabar.	Meteorological Officer.	STO-G.

## METEOROLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5461	Moghe, Digambar Narhar.	1911	B.Sc. (Bombay—'39) M.Sc. (Bombay—'35) D.Sc. (Bombay—'44)	From 1937-41 worked in teaching mathematics in different colleges. Since 1942 engaged in investigational work in meteorology, forecasting and teaching theory; published papers.	Pres.—C/o Meteorological Office, Ganeshkhind Road, Poona 5. Perm.— Do.	Offg. Meteorologist	TR-G.
5462	Narayan, Bangalore Gopal.	1899	B.Sc. (Mysore—'29)	Astronomical & astrophysical observations and published papers on them, laboratory and workshop practice.	Pres.— Meteorological Office, Poona 5. Perm.— Do.	Meteorologist.	STO-G.
5463	Narula, Amar Singh.	1919	B.A. Hons. (Punjab—'40) M.Sc. Tech. (Punjab—'41)	Worked for 4 years in sugar manufacture. Now engaged on observational and other relevant works in connection with weather forecasting	Pres.— Meteorological Office, Airfield Raja-sauli, Distt. Amritsar. Perm — J-10/3, Lajpat Nagar, P.O. Jangpura, New Delhi 14.	Professional Assistant.	STO-G.
5464	Nedungadi, Thodukkattil Melethil Kadingi.	1914	B.Sc. Hons (Anna-malai—'36) M.A. Physics (Anna-malai—'38) D.Sc. Physics. (Anna-malai—'43) D.I.C. Meteor. (London—'47) F.R. Met. Soc. (London)	Worked for 3 years on Raman effect and published many papers. Now engaged on teaching meteorology	Pres — Meteorological Office, Poona 5. Perm — Kizakemadham House, P.O. Tiruvegapura, via Pattambi, South Malabar.	Meteorologist.	T-G.
5465	Nene, Yashavant Ramchandra.	1917	B.Sc (Bombay—'40) M.Sc spl Elec. & Magnetism. (Bombay—'42)	...	Pres — Meteorological Office, Poona 5. Perm.— 425, Narayan Peth, Poona City.	Professional Assistant.	STO-G.
5466	Neogi, Phanindra Mohon.	1908	B.Sc. (Calcutta)	Design of meteorological instruments, workshop practice and development of processes in connection with economic production.	Pres.—The Observatory, Lodhi Road, New Delhi.	Asstt. Meteorologist.	STO-G.
5467	Pacheco, Anthony.	1921	B.Sc. (1943)	...	Pres.— Meteorological Office, P.O. Begumpet, Hyderabad. Perm.—19, Harris Road, Bangalore.	Meteorological Assistant	STO-G.
5468	Parthasarathy, S.	1920	B.Sc. Hons. (Mysore—'42)	...	Pres.—8, Bakta-vatsalam Street, Tambaram. Perm.—149, East Chitra Street, Srirangam, Distt. Trichy.	Scientific Asstt.	STO-G.

## METEOROLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5469	Pramanik, Sushil Kumar	1899	M Sc. Math. (Lucknow—'22) D I C Math. (London '26) Ph D Math. (London —'26) F N I (India) F N A Sc (India) F R Met Soc (London)	Joined the India Met. Dept in 1927; experience in forecasting, climatology and geophysics, published several papers on these subjects.	Pres.— Meteorological Office, Poona 5. Perm — Do	Deputy Director General.	STA-G.
5470	Raghavacharya, Holavanahalli Sri-nivasaIyanger	1920	B Sc (London)	Weather forecasting.	Pres — Meteorological Office, Juhu Aerodrome, Bombay 18 Perm.—10, Ratna Vilas Road, P.O. Basavanna Gudi, Bangalore 4	Scientific Asstt	STO-G.
5471	Ramabhadran, V.R.	1924	B A Math (Madras —'43) M A Math (Madras —'45)	Statistical analysis of meteorological data	Pres — Meteorological Office, Poona 5 Perm —16, Station Road, Kodambakkam, Madras 24	Asstt Meteorologist.	STO-G
5472	Ramachandran, G.	1921	B Sc. (Annamalai)	9 years service in the India Met. Dept.	Pres — Meteorological Office, Poona 5 Perm — Do	Scientific Asstt	STO-G
5473	Ramakrishnan, K.P.	1903	B A Physics (Madras —'23)	20 years service in the India Met. Dept., experience in the synoptic & upper air meteorology and climatology; published several papers all meteorological and investigational in nature.	Pres — Meteorological Office, Poona 5 Perm — Vill. Nurani, Palghat, Distt Malabar	Meteorologist	STO-G
5474	Ramalingam, Narainasawmy.	1914	B.Sc. Hons (Mysore) Ph D. Meteor (London) D.I.C. Meteor. (London)	Theoretical and applied meteorology including weather forecasting	Pres — Forecasting Office, Songegaon Airport, Nagpur. Perm -- C/o Mr O. Narainasawmy, No 4, Betteppa's Garden, Yelagundapalayam, Bangalore	Meteorologist	STO-G
5475	Rama Rao, M.	1918	B Sc. Hons. (Mysore —'34) M Sc spl. Spectroscopy (Mysore—'35)	Conducted fundamental research in ultrasonics and made many contributions in this subject. At present engaged in the charge of scientific workshop of the dept	Pres — India Meteorological Dept., Lodhi Rond, New Delhi. Perm — Do	Meteorologist	STO-G
5476	Rao, Bidaraballi Gopinatha	1931	B.A. (Madras—'49)	Since 1943 working in the India Met Dept	Pres — Meteorological Office, Poona 5 Perm — C/o Bidaraballi Madhava Rao, Middle Street, Haripanahalli, Distt Bellary, Madras State	Scientific Asstt	STO-G.

## METEOROLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5477	Ray Choudhuri, Sachindra Nath.	1908	B.Sc. Hons. (Calcutta —'35) M.Sc. Chem. (Calcutta —'27)	24 years service in the India Met. Dept., experience in forecasting, briefing of airpilots and marine meteorology.	Pres.—Regional Meteorological Centre, Calcutta 27. Perm — Do.	Meteorologist.	STO-G.
5478	Roy Burman, Harendra Soukar.	1920	B.Sc. (Calcutta—'42)	Joined the India Met. Dept. in 1942.	Pres.—P.O. Bagra Tawa, Distt. Hosangabad, Madhya Pradesh. Perm—C/o Dass Burman & Co., 1/1, Cornwallis Street, Calcutta.	Scientific Asstt.	STO-G.
5479	Sarker, Dharendra Kumer.	1918	B.Sc. Hons. (Dacca —'35) M.Sc. Physics. (Dacca —'39)	Weather forecasting.	Pres.—97/4, Tollygunge Road, Calcutta 26.	Asstt. Meteorologist	STO-G.
5480	Sarna, Vidya-sagar Chajuram.	...	B.Sc. Hons. (Bombay —'44)	Testing and calibration of surface meteorological instruments.	Pres.—Instruments Section, Meteorological Office, Poona 5 Perm.— Sarna Niwas, Opposite R.M. Court, Nasik Road.	Scientific Asstt.	STO-G.
5481	Sen Gupta, Sukumar.	1927	B.Sc. (Calcutta—'44) M.Sc. spl. Wireless (Dacca—'47)	From 1948-50 worked as Lecturer in Physics, 1950-52 service in the India Met. Dept. and 1952 to-date in the Meteorological branch of the I.A.F.; experience in the forecasting.	Pres — No 1, B.R.D., I.A.F., C/o 56, A.P.O., New Delhi. Perm — C/o Shree Jatindra Nath Sen, 56/1, Upper Circular Road, Calcutta.	Pilot Officer.	STO-G.
5482	Shanker Rao, S.U.	1922	B.Sc. Hons. (Bombay —'42)	...	Pres.—P.B. Observatory, Bhuj. Perm — Do.	Scientific Asstt.	STO-G.
5483	Sharma, Vidya- bhushan.	1909	M.Sc. Physics. (Agra —'31)	Joined the India Met. Dept in 1932, engaged in designing, repairing and testing of meteorological instruments.	Pres.— Instrument Section, Meteorological Office, Poona 5	Asstt. Meteorologist	STO-G.
5484	Sircar, Shyama Pada.	1907	B.Sc. (Calcutta—'27) M.Sc. Appl. Physics. (Calcutta '29)	Fully conversant with the details and technique of weather forecasting and climatology.	Pres.— "Swara Villas", 33/34, Prabhat Road, Poona 4 Perm.—7, Nagpara Lane, P.O. Sibpur, District Howrah.	...	Un.
5485	Sista, Satyanarayana.	1916	B.Sc. (Banaras—'37)	Operating and managing the radiosonde unit.	Pres.— Observatory, Veraval, Saurashtra. Perm.— C/o S.K.C.C. Bank Ltd, Amalapuram, District East Godavari, Madras State.	Scientific Asstt.	STO-G.
5486	Srinivasan, Venkata- raman.	1922	B.Sc. Hons. (Madras —'48)	Weather analysis and forecasting.	Pres.— Meteorological Dept., Poona 5. Perm.—15, Ragoji Pandithar Street, Melakaveri, Kumbakonam.	Asstt. Meteorologist.	STO-G.

## METEOROLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5487	Sundresan, Ponnu-swamy.	1921	B.A. (Madras—'49)	8 years work in weather forecasting.	Pres.— C/o Regional Meteorological Centre, Colaba, Bombay 5.	Scientific Asstt	STO-G.
5488	Sushil, B.R.	1921	B.A. Math. (Calcutta—'41)	9 years work in meteorological observation and 2 years in weather analysis	Pres—Regional Meteorological Centre, Nagpur 5.	Scientific Asstt	STO-G.
5489	Tenpe, Keshao Dalpatrao.	1923	B.Sc. (Nagpur—'46) M.Sc. Physics (Nagpur—'48)	Forecasting weather.	Pres—Regional Meteorological Centre, Nagpur Perm—Godaghate Chail, C No. 2, Karnal Bagh, Nagpur 2.	Scientific Asstt	STO-G.
5490	Vasudevan, V.K.	1919	B.Sc. (Annales)	...	Pres.— Meteorological Office, Begumpet Airport, Hyderabad. Perm.—15, Sarvamanya Street, Melacauvery, Kumbakonam.	Scientific Asstt	STO-G.
5491	Venkataraman, Kakayadi Subramaniam.	1917	B.Sc. Hons. (Mysore—'37) M.A. Physics. (Mysore—'39)	13 years work in weather forecasting, published papers on the piezo-optic coefficient of liquids.	Pres.— Meteorological Office, Airport, Santa-cruz, Bombay 29. Perm.— Do	Asstt. Meteorologist.	STO-G.
5492	Viswanathan, Thellur Rangaswamy Iyer.	1922	B.A. Math. (Madras)	...	Pres — Meteorological Office, Ahmedabad 12. Perm.— Do.	Scientific Asstt.	STO-G.



# GENERAL & PHYSICAL CHEMISTRY

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5493	Agarwal, Chandra Prakash.	1929	B.Sc. (Agra-'47) M.Sc. (Agra-'49) D.Phil. (Allahabad-'51) F.N.A.Sc. (India)	Contributed papers on the structure of certain compounds by 'Parachor', nitrogenous reactions in soils & solutions, etc.	Pres.-Publications Division, O.S.I.R., Old Mill Road, New Delhi Perm.— O/o Sri R.S. Agarwal, Advocate, Mainpuri.	Jr. Tech Asstt	Scientific editing & publication.
5494	Agarwal, Dayal.	1939	B.Sc. (Agra-'50) M.Sc. (Agra-'52)	...	Pres - C/o Mr Permешwar Daval Agarwal, Vakil, 7/171, Swarupnagar, Kanpur. Perm.— Do.	...	Un.
5495	Agny, Mukund Padmanabh.	1928	B.Sc. (Poona-'50) M.Sc. (Poona-'52)	...	Pres.—8, Mane Mansion Poona 4. Perm.— Verem Bardez, Goa.	...	Un.
5496	Agrawal, Om Prakash.	1931	B.Sc. (Allahabad-'50) M.Sc. (Allahabad-'52)	Application of chemistry to archaeological problems.	Pres — Central Asian Antiquities Museum, New Delhi Perm.— Sewa Kali, Etawah.	Chemical Asstt	STO-G.
5497	Aindley, Nath. Banwari	1905	B.Sc. (Delhi-'29) M.Sc. Phy. Chem. (Allahabad-'34)	15 years teaching work	Pres—Delhi Polytechnic, Delhi. Perm.— Do.	Teacher.	T-G.
5498	Anand Sarup.	1912	B.Sc. Hons. (Punjab-'33) M.Sc. (Punjab-'34) Ph.D. (Punjab-'39)	Fully conversant with the methods of manufacture of fine organic & inorganic chemicals for use in laboratories. At present engaged in a mining concern of his own. Published papers on soil science.	Pres.— 9, Somerset House, Middle Colaba, Bombay 5 Perm.— Do.	..	STO-P
5499	Anantakrishnan, Sekharipuram Venkateswara.	1908	M.A. Chem. (Madras-'30) Ph.D. Chem. (London-'34) A.R.I.C. (London-'39) F.R.I.U (London-'52) F.A.Sc. (India) F.C.S. (London)	Since 1937 doing teaching work in physical chemistry and theoretical organic chemistry, published several papers on the same.	Pres — Madras Christian College, Tambaram. Perm.— Do.	Prof. of Chem.	TR-NG
5500	Apte, Keshav Ramchandra.	1909	B.Sc. (Banaras-'32) M.Sc. (Banaras-'34)	Analysis and inspection of explosives, inspection of antigas stores, rubber goods, etc. and general chemical analysis of non-explosive ingredients.	Pres — Tech Development Establishment, Military Explosives, Kirkee, Poona 3. Perm - 481/75, Purandare Colony, Poona 2.	Sr. Scientific Assistant.	STO-G
5501	Aravamuthan, V.	1920	B.Sc (Madras-'39) A.I.I.Sc. (Bangalore-'51) A.I.Ist.F. (London)	5 years teaching work and 8 years of guiding research on electrochemical, metallurgical, inorganic & analytical problems; published papers on the same.	Pres — Dept of Metallurgy, Indian Institute of Science, Bangalore 9. Perm.— Do.	Sr. Research Assistant	TR-SG.

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5502	Arnikar, H.J.	1913	B.Sc. Hons. (Banaras—'34) M.Sc (Banaras—'36) Ph.D (Banaras—'50) F.I.C.S.	Since 1936 teaching physical & inorganic chemistry to B.Sc. Tech. & M.Sc Tech. classes and guiding research; specialized knowledge of silicate chemistry and electric discharges in gases. Published a number of papers on 'Joshi Effect' and properties of glass.	Pres.—College of Technology, Banaras Hindu University, Banaras 6. Perm — Do.	Asstt. Prof. of Chemistry.	TR-SG.
5503	Arulpiragassam, A	1916	B Sc. Hons. (1918)	11 years teaching work of graduate and undergraduate classes	Fres.— 13, B V. Naidu Street, Madras 5.	Asstt. Lecturer in Chemistry.	T-
5504	Ashwani Kumar.	1918	M.Sc. (Allahabad)	...	Pres.— R.R. College, Alwar. Perm.—86 F, Prem Nagar, P O Dayalbagh, Agra.	Lecturer in Chemistry.	T-G.
5505	Asthana, Ranvijay Kumar.	1928	B Sc. (Patna—'48) M.Sc (Patna—'50)	Doing research in soil biochemistry.	Pres.— Soil Section, Central Sugarcane Research Station, Bihra, Pusa, Darbhanga. Perm.— Vill. Bejhata, P.O. Sewan, District Saran.	Sr. Chemical Research Asstt.	R-G.
5506	Athmaraman, Panchapakesa.	1915	B Sc Hons. (Andhra—'36) Assoc.I.A.R.I. (Delhi—'38)	2 years supervision work in high explosives, 2 years research in soil engineering and 1½ years in analytical work	Perm.— 27, Ganapati-nagar, Tanjore.	...	Un.
5507	Avadh, Narain Lal.	1908	M.Sc (Banaras—'33)	Worked for 12 years in teaching physical chemistry as applied to engineering such as fuels & lubrication. Now teaching to intermediate and graduate classes.	Pres.— S.M. College, Chandausi, District Moradabad. Perm.—Rustogi Mohalla, Chandausi, District Moradabad.	Lecturer.	T-NG.
5508	Avasare, Mahadeo Dattatraya.	1894	B.A. Hons. (Bombay—'16) B.Sc. Hons. (Bombay—'17) M.Sc. (Bombay—'28) Ph.D. (London—'29) F.I.C.S. F.C.S (London)	28 years teaching experience in physical & inorganic chemistry, published papers.	Pres.— V.P. College, Vallabh Vidyanagar, via Anand. Perm.— 2, Pratap Gunj, Baroda 2.	Hon Prof. & Head of Chem. Dept.	T-NG.
5509	Bahl, Bhim Singh.	...	B.Sc. (Punjab—'34) M.Sc. (Punjab—'35)	For the last 16 years teaching chemistry; published papers on the diamagnetism of trivalent bismuth ion and text books on chemistry & general science.	Pres.— D.A.V. College, Jullundur City. Perm.— Do.	Prof. & Head of Chem. Dept.	T-NG.

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5510	Bakore, Ganesh Vishwanath.	1924	M.Sc. Phy. Chem. (Agra)	Since 1947 engaged in the teaching line. Published papers concerning group parachor and Joshi effect.	Pres.— Maharaja's College, Jaipur. Perm.— Do.	Lecturer in Chemistry.	T-G.
5511	Balachandran, S.	1926	B.Sc. (Annamalai-'48) B.Sc. Hons. (Annamalai—'48)	For 8 years did teaching work.	Pres.— Ammonia Laboratory, S.F.C. Ltd., Sindri, Bihar. Perm.— Muthukrishnapuram, P.O. Elathur, via Shiyali, Madras State.	Junior Chemist.	STO-I.
5512	Bandyopadhyay, Probodh Chandra.	1918	B.Sc. (Calcutta—'39)	Worked as Asstt. Editor of 'Science and Culture' and Asstt. Secretary of Indian Chemical Society & Indian Science Congress Association. Engaged in scientific liaison work including reports, contacts and advice. Contributed general articles on scientific research & organisations.	Pres.— UNESCO, South Asia Science Co-operation Office, C.S.I.R. Office Building, Old Mill Road, New Delhi. Perm.— 'Palli-Madhu', P.O. Baidyabati, Dibr. Hooghly.	Asstt. Scientific Officer.	Scientific editing & publication.
5513	Banerjee, Bhupati Kumar.	1921	B.Sc. Hons. (Calcutta—'41) M.Sc. Phy. Chem. (Calcutta—'43) D.Phil. (Calcutta—'50)	Engaged in research work on X-ray and physico-chemical study of glass and silicates, published papers on the same.	Pres.— 3/1, Lansdowne Lane, Calcutta 26. Perm.— Do.	Research Fellow. (I.C.I)	R-F.
5514	Banerjee, Ganapati.	1901	B.Sc. Hons. (Calcutta—'21) M.Sc. (Calcutta—'24) F.I.C.S	For 15 years worked in the teaching line.	Pres.— Journal of Indian Chemical Society, 92, Upper Circular Road, Calcutta. Perm.— 69, Furna Mitra Place, Tollygunge, Calcutta 33.	Asstt. Editor. (J.I.C.S.)	Scientific editing & publication.
5515	Banerjee, Sallesh Chandra.	1912	B.Sc. (Calcutta—'32) M.Sc. (Dacca—'35)	Chemical analysis and mechanical testing of various types of steels, ferrous & non-ferrous metals & alloys, heat treated parts, etc.	Pres.— T.D.E. (Weapons), Ordnance Factory, Kalpi Road, Kanpur. Perm.— 11/1D, Gopal Banerjee Lane, Kali-ghat, Calcutta.	Chargeman.	STO-I.
5516	Banerji, Shyamendra Nath.	1904	M.Sc. (Allahabad—'27) D.Phil. Colloids. (Allahabad—'37) F.I.C.S	Worked for 4½ years as Chief Chemist, Indian Drug House. Total teaching experience of 17 years, published a number of papers concerning colloid chemistry and polyacids in different journals.	Pres.— University of Saugor, Saugor. Perm.— Do	Lecturer in Chemistry.	TR-SG
5517	Bansal, Om Prakash.	1928	B.Sc. (Agra—'47) M.Sc. (Agra—'49)	Doing research work in soil chemistry.	Pres.— 4, Naulakha, Agra Cantt. Perm.— Do.	Research Scholar.	R-S

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5518	Bhadoria, Mahendra Singh.	1928	M.Sc. (Rajputana-'52)	...	Pres.— S.K.N. Agricultural Institute, Jobner, Jaipur Perm—House No. 11/311, Near Small Tank, Shreepura, Kota, Rajasthan	Demonstrator in Chemistry.	T-G.
5519	Bhole, Vasant Maha-deo	1925	B.Sc. (Agra—'46) M.Sc. (Agra—'49)	Since 1946 doing teaching work.	Pres.— Holkar College, Indore. Perm.— 78, Rambag, Indore City.	Lecturer in Chemistry.	T-G
5520	Bhatnagar, Mahendra Sarup	1918	B.Sc. (Agra—'35) M.Sc. (Lucknow—'37) Ph.D. Adsorptive properties of synthetic resins. (Delhi—'47) F.I.C.S. F.N.A.Sc. (India)	Researches pertaining to colloids and high polymers besides teaching the above subjects, published papers on the same. Worked on the preparation of moulding compositions, ion exchangers and dopes	Pres.— H.B.T.I., Kanpur. Perm—8/224, Aryanagar, Kanpur.	Research Chemist. (Plastics)	TR-G.
5521	Bhaumik, Hari Das.	1915	B.Sc. Hons. (Dacca—'36) M.Sc. Soil Science & Soil Bact. (Dacca—'38) Ph.D. Agronomy. (Iowa—'47)	Analysis of soil, water, plant materials, manures, fertilizers, etc. in connection with the development of agriculture, forestry, fishing, etc., and agricultural research; published papers on agricultural subjects.	Pres.— Lab Section, Damodar Valley Corporation, P.O. Hazaribagh, Bihar. Perm—Ramgarh Colony, P.O. Jadavpur, Calcutta 32.	Soil Scientist.	R-G.
5522	Biwas, Asit Kumar.	1918	B.Sc. (Calcutta—'40)	Dealing with technical problems, trials and experiments of small arms.	Pres—Technical Development Establishment (Weapons), Ishapore Perm—10A, Manmatha Dutta Road, Calcutta 37.	Asstt. Foreman.	STO-G.
5523	Bommannavar, Shivasankar Satappa	1930	B.Sc. Hons. (Bombay—'44) M.Sc. (Banaras—'50)	Since 1944 doing teaching work	Pres—Lingaraj College, Belgaum, Bombay State Perm—Do	Lecturer.	T-NG.
5524	Bose, Saroj Kumar.	1921	B.Sc. (Calcutta—'42) M.Sc. Phy. Chem. (Calcutta—'45)	Soil chemistry	Pres.— City College, 102/1, Amherst Street, Calcutta 9. Perm—Vill & P.O. Kaigram, Distt. Burdwan	Lecturer in Chemistry.	T-NG.
5525	Burma, Deb Prosad.	1925	B.Sc. (Calcutta) M.Sc. (Calcutta) F.I.C.S.	Working on chromatography and its application to plant physiological problems	Pres—Bose Institute, 93, Upper Circular Road, Calcutta 9. Perm.—Kshetra Kutir, 194, Mukaram Babu Street, Calcutta 7.	Birla Research Scholar.	R-S.
5526	Chakrabarti, Harendra Kumar.	...	B.Sc. Hous. (Dacca—'38) M.Sc. (Dacca—'39)	Research work in electrochemistry and electro-metallurgy; papers published on photochemical decomposition of complex salts.	Pres—National Metallurgical Laboratory, Jamshedpur 3 Perm.—P.O. Badkulla, Ditt. Nadia.	Sr. Scientific Assistant	R-SG.

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. S.F.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5527	Chakraborty, Ajit Kumar.	1926	B.Sc. Hons. (Calcutta —'47)	Since 1948 teaching chemistry to intermediate & B.Sc. classes.	Pres.— Krishnagar College, Krishnagar, W. Bengal.	Jr. Demonstrator in Chemistry.	T-G.
5528	Charl, Srinivasa- chari Aravamuthan.	1908	B.A. Chem. (Madras —'28) M.Sc. (Annamalai —'39) A.I.Ist P. (London)	From 1933-49 did varied work such as teaching and industrial research. From 1949 to-date engaged in scientific literature survey and editing; published papers concerning industrial products.	Pres.— Publications Division, C.S.I.R., Old Mill Road, New Delhi. Perm.— P.O. Terizhan-dur, District Tanjore, Madras State.	Asstt. Editor	Scientific editing & publication
5529	Chatterji, Amarendra Nath (Major)	1905	B.Sc. (Allahabad —'26) M.Sc. (Allahabad—'28)	From 1929-42 taught physical chemistry.	Pres.— Military Wing, N.D.A., P.O. Prem-nagar, Dehra Dun Perm.— 'Abhoysashram', Vill & P.O. Panipat, Distt. 24 Parganas	Head of Math. Dept	T-G
5530	Chatterji, Devendra Nath.	1884	B.Sc. (Allahabad—'06) F.R.I.C (London) F.R.S.A. (London) F.I.O.S.	30 years experience of analytical, general and medico-legal work pertaining to chemistry, published papers concerning analytical work.	Pres.— 17/62 G, Til-bandeshwar, Benaras 1. Perm.— 1B, Bund Road, Allahabad	...	Retd.
5531	Chaturvedi, Girraj Kishore.	1919	B.Sc. (Agra—'48) M.Sc. (Agra—'50)	...	Pres.— Agra College, Agra Perm.— C/o Sri V.N. Chaturvedi, 3868, Phulatti Bazar, Agra	Lecturer in Chemistry.	T-SG.
5532	Chaudhury, Subodh Gobinda.	1910	D.Sc.	Since 1933 doing teaching work, published papers and the book 'The Donnan membrane equilibrium'	Pres.— University College of Science, Calcutta Perm.— 92, Upper Circular Road, Calcutta	Lecturer in Phy Chem.	TR-SG.
5533	Chohan, Jagnohan Singh	1910	B.Sc. (Agra—'48) M.Sc. (Lucknow—'50)	2 years teaching work.	Pres.— Vijai Bhawan, Alwar Gate, Ajmer. Perm.— Do	Lecturer	T-
5534	Damle, Purushottam Mahadeo.	1911	B.Sc. (Bombay—'33)	Soil & silt analysis, investigation in hydraulics & river training and siphon spillways problems.	Pres.— C.W.I. & N Research Station, Poona Perm.— 719/1, Sadashiv Peth, Poona 2.	Research Asstt	STO-G
5535	Damri Singh.	1913	B.Sc. (Banaras—'38) M.Sc. (Banaras—'40) D.Sc. Electro-chemistry (Banaras—'49)	13 years work in guiding research and teaching to B.Sc. & M.Sc. classes, published papers on electrochemistry.	Pres.— Nizam G/1, Banaras Hindu University, Banaras 5 Perm.— Vill. Amorha, P.O. Urwa Bazar, Distt. Gorakhpur.	Jr. Demonstrator in Chem	T-G.
5536	Das, Narendra Kumar.	1924	M.Sc. (Utkal—'50)	...	Pres.— S.C.S College, Puri. Perm.— Kathgara Sahi, Cuttack 1	Lecturer in Chem	TR-G.

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S.No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5537	Dash, Shib Shanker	1927	M.Sc. (Patna—'51)	...	Pres — Vill. Jabarra, P.O. Ladburka, Distt. Manbhumi. Perm. — Do.	...	Un.
5538	Desai, Daulatrai Makanji.	1914	B.Sc. (Bombay—'35) M.Sc. (Bombay—'38) Ph.D (Bombay—'43) F.I.O.S.	Since 1948 engaged in the teaching line; now teaching to B.Sc. & M.Sc. classes and guid- ing research in colloid chemistry, published papers on colloids and magnetochrometry.	Pres.—Institute of Science, Bombay. Perm — Hanuman Bhag- da, Bulsar, Distt. Surat.	Asstt. Lecturer in Chemistry.	TR-G.
5539	Desai, Sanatkumar Gunvantrai.	1917	B.Sc. (Bombay—'39) M.Sc (Bombay—'44)	Teaching of physical and inorganic chemistry up to B.Sc. classes.	Pres.—Kundubhai Nana- vati's Bldg, Mangnath Street, Junagadh. Perm.— Shri Nivas, Ranika, Bhavnagar.	Lecturer in Chemistry.	T-
5540	Desai, Thakorebhai Vasanji.	1917	B.Sc (Bombay—'38) M.Sc. spl Colloids. (Bombay—'41)	Serving in I.C.I since 1941, experience in technical and commer- cial side of dyes, paints, pigments, synthetic resins and textile auxi- liaries	Pres.— Sales Promotion Dept., M/s I.C.I Ltd., Dyes Dept., Bombay Perm—8/18, Kalian Bldg., Kandawadi, Girgaon, Bombay 4.	Assistant.	STO-I.
5541	Dhingra, Dev Raj.	1922	B.Sc. Hons (Punjab —'44) M.Sc. (Punjab—'45)	Since 1945 doing agri- cultural & soil chemis- try work	Pres.—Dept. of Agricul- ture, Punjab, Gurdaspur. Perm -- Do	Research Asstt.	STO-G.
5542	Divatia, Akshay Sudhakar.	1925	B.Sc (Bombay—'47) M.Sc (Bombay—'51) F.I.O.S.	Studies in colloidal sys- tems, contribution in studies on iron oxide sol	Pres.— L.D Arts College & M.G. Science Inst., Navarangpore, Ahmed- abad 9. Perm.— 2064, Oliphant Road, Raitkhan, Ahmed- abad 1.	Demonstrator in Chemistry.	TR-NG.
5543	Doja, Mohammad Qamrud.	1906	B.Sc. (Patna—'26) B.A. Natural Science Tripos, (Cantab—'29) A.R.P.S. (Great Bri- tain)	22 years work in teach- ing and guiding re- search, published a number of papers on photographic sensitizers and related compounds.	Pres.— Science College, Patna. Perm — Doja Buildings, P O Mahendru, Patna	Head of Chem. Dept.	TR-G.
5544	Doraiswamy, M.E.	1911	B.A. (Madras—'31) B.Sc Hons. (Madras —'40) M.A. (Madras—'40) L.T. (Madras—'43) A.R.I.C. (London)	Since 1933 doing teach- ing work.	Pres.—National Defence Academy, P.O. Clement Town, Dehra Dun. Perm.—164, Lloyd Road, Royapettah, Madras 14.	Lecturer in Chemistry.	T-G.
5545	Gadgil, Sadashiv Laxman.	1921	B.Sc. Hons. (Bombay —'44) M.Sc. (Bombay—'52)	...	Perm.—College of Mil- itary Engg., Poona Perm.— 506, Sadashiv Peth, Poona 9.	Demonstrator in Chemistry.	T-G.

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. S.T.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5546	Gairola, T.R.	1909	M.Sc. (Lucknow-'33)	Serving in the Dept. of Archaeology for the last 18 years and working on the problems of chemical treatment and preservation of antiquities and monuments, published papers on the above and allied subjects	Pres.— C.A.A. Museum, New Delhi. Perm.— Vill Srikota, Patti Katulsuen, P.O Srinagar, Garhwal	Asstt. Archaeological Chemist.	STO-G.
5547	Ganguli, Chandra. Salleh	1908	B.Sc. Hons. (Dacca—'30) M.Sc (Dacca—'31)	Research, design, development and inspection of rubber & plastic armament stores, chemical warfare and petroleum warfare agents, smokes and respirators antigas, published a number of papers on studies in oxidation-reduction potentials.	Pres -24, Riverside Road, Kirkee, Poona 3.	Jr. Scientific Officer.	R-G.
5548	Ganguly, Amalendu.	1990	B.Sc. (Agra—'50) M.Sc. (Agra—'52)	...	Pres.—268B, Boileauganj, Agra Cantt Perm — Do.	Research Scholar	R-S.
5549	Gaur, Chandra. Harish	1925	M.Sc. (Agra—'46) Ph.D. (Agra—'49) F.I.C.S.	Doing research work in the physicochemical studies on the composition of complex metallic compounds and in polarography, published papers on the same	Pres.—Dept. of Chemistry, University of Delhi, Delhi 8. Perm.— Do.	Lecturer in Chemistry.	TR-SG.
5550	Ghani, M.A.	1919	M.Sc. (Allahabad —'42)	During 10 years service worked on production of paints, varnishes, lacquers, moulding powders, utilization of industrial wastes (like kuri, jute waste, bhilawala & cashew liquids) and production & modification of tanning materials. Taken patents on syntans and contributed notes on syntans and moulding powders.	Pres — Central Leather Research Institute, Madras	Sr. Scientific Assistant	R-SG.
5551	Gharpurey, Madhao Khanderao.	1924	B.Sc. Hons (Bombay —'44) M.Sc. spl Radiation & Spectroscopy. (Bombay—'46) Ph.D. (London—'50) D.I.C. (London—'50) A.Inst.P (London)	Specialised knowledge of electron microscope, electron diffraction and high vacuum technique.	Pres — Divn. of Phy. Chem, National Chemical Laboratory, Poona. Perm.— C/o Lt. Col. K.G.G. Gharpurey, 'Premod', Deccan Gymkhana Colony, Poona 4	Jr. Scientific Officer.	R-SG.
5552	Ghosh, Bhusan. Kshiti	1918	M.Sc. (Calcutta—'40)	Doing analysis of explosives and propellants, high pressure work relating to internal ballistics, published papers on the properties of arable acid solution and the interaction of arable acid with bast	Pres — T D E. (M.E.), Kirkee, Poona 3 Perm.—17, Misra Cottage, Kadamtala, P.O. Jalpaiguri, W. Bengal.	J.S.A.	STO-G.

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5553	Gidvani, Mangharam Bulchand	1907	B.Sc. Hons (Bombay—'30)	23 years varied experience on soils from irrigation and engineering point of view	Pres.—O/o Tapi Project Division, CWINC, Gopipura, Surat. Perm — Do.	Sr. Research Assistant.	STO-G.
5554	Gore, Viswanath Vinayak	1903	B Sc (Bombay—'26) M Sc (Bauars—'28) D Sc. Phy. Chem. (Nagpur—'38)	Published papers in colloid chemistry and photochemistry.	Pres.—College of Science, Raipur. Perm.— Do.	Asstt. Prof of Chemistry	T-G.
5555	Govindarajan, Thittanimuttai Srinivasachari	1926	B.Sc (Annamalai—'45) B.Sc. Hons. Chem. (Annamalai—'50)	8 years teaching work.	Pres.—Annamalai University, Waltair. Perm—Thittanimuttai, P O Tiruvadivvasal, via Koradacheri, S India.	Demonstrator in Chemistry.	T-SG.
5556	Grover, N D	1918	B Sc Hons (Punjab—'44) M Sc (Punjab—'45)	Since 1945 doing teaching work	Pres — D.A.V College, Ambala City. Perm — Do	Sr. Lecturer	T-NG.
5557	Gubha, Subramanyam Rama Das	1924	B Sc Hons (Madras—'44) M A (Madras—'46) M Sc (Madras—'46) Ph D (Bombay—'49)	Engaged in research on cellulose & paper, published papers mainly on catalytic dehydration of ethyl benzene.	Pres.— Forest Research Institute, New Forest, Dehra Dun. Perm — Do	Jr. Research Officer.	R-G
5558	Gupta, Chaman Lal.	1928	B.Sc. Hons. (Delhi—'49) M.Sc. (Delhi—'51)	Conducting research work in soil chemistry	Pres.—50A, Kamla Nagar, Delhi 6. Perm.— Do.	Research Scholar	R-S.
5559	Gupta, Jyoti S.	1924	B Sc (Delhi—'41)	12 years work on technical coordination and procurement besides supply of scientific and technical information in the army	Pres.— Directorate of Mechanical Engineering, South Block, New Delhi. Perm — 109, Daryaganj, Delhi 7.	Sr. Scientific Assistant,	Scientific editing
5560	Gupta, Lakshman Prasad.	1926	B Sc (Agra—'50) M Sc. (Agra—'52)	...	Pres.—Vill. & P O Semra, Distt. Agra. Perm.— Do.	...	Un.
5561	Gupta, Prem Kumar.	1928	M Sc (Agra—'51)	Doing research work in soil analysis and its micro-organisms study	Pres.—Chemical Laboratories, Agra College, Agra. Perm.— Do	Lecturer	TR-SG.
5562	Gupta, Yugul Kishore	1927	B Sc. (Agra—'46) M.Sc. (Agra—'51)	...	Pres.— Gopal Bhawan, Sabzi Mandi, Kanpur. Perm.— Do	...	Un.
5563	Halwe, Gajanan Vinayak.	1909	B.Sc. (Agra—'31) M Sc. (Agra—'33)	Metallurgical & general chemical analysis.	Pres.—Office of the Director of Inspection, Govt. of India, Tattnagar. Perm — Do	Asstt. Inspecting Officer. (Chemicals)	STO-G.
5564	Hira Lal.	1924	B Sc. Hons. (Punjab—'44) M Sc Tech. (Punjab—'45) Ph.D. Electrochemistry (Durham—'49)	Working on the electrophoretic behaviour of soaps and detergents, published papers on electrochemical problems.	Pres.—Divn of Physical Chemistry, National Chemical Laboratory, Poona 7 Perm.—C/o L. Kashi Ram Vaid, Kiln Contractor, Kot Kapura, PEPSU	Jr. Scientific Officer	R-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5565	Inder Prakash,	1890	B.Sc. (Allahabad-'50) M.Sc. (Allahabad-'59)	...	Pres.—C/o Shri Mahabir Prasad, Sardar Kanoo- go, Mohalla Ram Nagar, Oral, Distt. Jalaun Perm.— Do	...	Un.
5566	Iyer, K. Sitarama.	1886	M.A. Chemistry. (Madras—'13) F.I.C.S.	Teaching of chemistry as applied to agriculture, industry and medicine	Pres — Chalai Street, Trivandrum Perm — Do	...	Retd
5567	Iyer, Krishna Iyer Mahadeva.	1928	M.Sc. (Travancore —'51)	...	Pres—S D College, Allep- pey, T.C State Perm — C/o S Krishna Iyer, Retd Asstt., Excise Commissioner, Vad- veeswaram, Nagercoil.	Lecturer in Chemistry.	T-NG.
5568	Iyer, Ramnath Vaidyanath.	1927	B.Sc. (Bombay) M.Sc. (Saugor)	...	Pres — 1, Kalali Mohalla, Deodhar House, Sanjo- gita Ganj, Indore Perm.— C/o K.V. Iyer, 14, Kadali Chawl, Station Road, Sholapur	Lecturer in Chemistry.	T-
5569	Jagindar Singh.	1895	B.A. Hons. Chem. (Punjab—'16) M.Sc. (Punjab—'18) Training in Petro- leum refinery.	Over 25 years teaching experience, published text books in chemistry for inter and B.Sc. classes	Pres — S N College, Qadian, Punjab Perm — Dakha House, G.T. Road, Amritsar	Prof. & Head of the Chem. Dept.	T-NG
5570	Jain, Kesho Dass.	...	B.Sc. (Agra—'36) M.Sc. (Agra—'38) Ph.D. (Agra—'47) A.R.I.C. (London —'51)	6 years teaching and 10 years research work concerning analytical & industrial chemistry especially antigas materials, published a number of papers.	Pres.— D A V College, Dehra Dun Perm — S/o L. Chhajju Mal Jain, Vill. Kuralsi, P.O. Budhana, Distt Muzaffarnagar.	Lecturer in Chemistry	TR-NG.
5571	Jain, Mahendra Kumar	1927	B.Sc. (Allahabad—'48) M.Sc. (Allahabad—'50)	Teaching chemistry to intermediate and B.Sc. classes for the last 2 years.	Pres — Shaanti Bhawan, Kayasthan Street, Dehra Dun. Perm — C/o Popular Trading Corporation, Mohalla Kayasthan, Saharanpur	Lecturer in Chemistry.	T-NG.
5572	Jain, Man Phul Singh.	1912	B.Sc. (Punjab—'34) M.Sc. (Punjab—'35)	..	Pres — T.B.E. Labs., P.B. No 320, Kanpur. Perm — 15/234, Civil Lines, Kanpur	S.S.A	STO-G.
5573	Jaip, Om Parkash.	1924	M.Sc. (Punjab—'45)	2 years teaching work and 1½ years industrial work in soap & glycerine section at Modinagar.	Pres—C/o L. Har (Gopal), Vill & P.O. Machhi- wara, Distt Ludhiana Perm — Do.	...	...
5574	Joseph, C.D	1925	B.Sc. (Madras—'48) B.Sc. Hons. (Madras —'51)	...	Pres.— St Joseph's Col- lege, P.O. Teppakulam, Tiruchirapalli Perm.— Cheryil House, P.O. Kothamangalam, T.C. State.	Lecturer in Chemistry.	T-NG

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5575	Josh, Keshav Moreshwar	1926	B.Sc. Hons. (Nagpur) F.I.S	...	Pres.—College of Science, Nagpur. Perm.—96, Technological Institute Road, Dharam- peth, Nagpur.	Lecturer in Chemistry.	T-G.
5576	Kabadi, Manohar Bapu	1906	B.Sc. (Bombay—'29) M.Sc. (Bombay—'36) Ph.D. (Bombay—'44) F.I.C.S.	Teaching physical che- mistry to B.Sc. & M.Sc classes and guiding research to M.Sc and Ph.D. students, pub- lished papers.	Pres.— 4th Floor, 18, Tribhuvan Road, Bom- bay 4 Perm.— Do.	Lecturer in Chemistry.	TR-
5577	Kadathur, Surya- narayana Subra- manyam.	1920	B.Sc. Hons. (Anna- malai—'41)	4½ years work in the manufacture of pharmaceu- ticals and 9½ years in the inspection of petroleum carbide and explosive storage pre- mises	Pres.— Inspectorate of Explosives, South Circle, Madras 2 Perm.—4, Sarojini Street, T' Nagar, Madras 17.	Asstt. Inspector of Explosives.	STO-G.
5578	Kale, Mahadeo Narayan.	1912	B.Sc. (Bombay—'34) M.Sc. (Bombay—'37)	From 1935-44 worked as a research chemist and from 1945 to-date work- ing in the development of chemical industries in general.	Pres — Development Wing, Ministry of Com- merce & Industry, Shah- jahan Road, New Delhi. Perm.— A28/137, Lodi Road Colony, New Delhi 8.	Asstt. Develop- ment Officer.	STA-G.
5579	Kanekar, Chandra- kant Ramchandra.	1919	B.Sc. (Bombay—'39) M.Sc. (Bombay—'41) Ph.D. (Bombay—'47) Ph.D. (London—'53) F.C.S. (London)	Doing research in dia & para-magnetic susceptibil- ities as applied to molecular structure, published papers on magnetochemical investigations of several inorganic compounds, hydrates and gels.	Pres.— Inst. of Science, Bombay. Perm.—167, Poona Wadi, D-3, Vincent Road, Dadar, Bombay.	Research Asstt. (Phy. Chem.)	R-G.
5580	Kanungo, Ramchand- dra.	1925	B.Sc. (Agra—'46) M.Sc. (Agra—'48)	...	Pres — Holkar College, Indore. Perm —35, Vyas Phalia, Juni Indore, Indore.	Jr. Lecturer in Chem	T-G
5581	Kappanna, Athibele Nanjappa.	1900	B.A. (Mysore—'20) M.Sc. (Dacca—'23) D.Sc. (Dacca—'29) F.I.C.S. F.A.Sc. (India)	Since 1928 engaged in teaching, now physi- cal and inorganic che- mistry to under & postgraduate classes; published papers on photochemistry, chemi- cal kinetics and electro- chemistry.	Pres.—College of Science, Nagpur Perm.— Do.	Prof. of Chem.	TR-G.
5582	Kaul, Dwarka Nath.	1924	B.Sc. (Punjab—'46) M.Sc. (Aligarh—'52)	...	Pres.—O/o Mrs. Fotedar, Staff Nurse, Cantt. General Hospital, Kan- pur. Perm.— O/o Late Pt. Narain Kaul, Karafall Mohalla, Srinagar, Kashmir.	...	Un.

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5583	Kaushal, Behari, Nawal	1928	B.Sc. (Agra—'49) M.Sc. (Agra—'52)	...	Pres.— C/o Shri R.S Kaushal, Advocate, 55/38, General Ganj, Kanpur. Perm.— Do.	...	Un.
5584	Kazi, Hemalata Jayadevalal. (Miss)	1929	B.Sc. (Bombay—'48) M.Sc. (Bombay—'61)	Published papers on emulsifications, interfa- cial tension and complex formations	Pres.— M.T.B. College, Surat. Perm.— Panini Bhint, Bhansali Hata, Surat	Demonstrator.	TR-NG.
5585	Khasgiwale, Kashi- nath Anant.	1927	B.Sc. (Poona—'50) M.Sc. (Poona—'52)	Doing research work for Ph.D. degree.	Pres.— University of Poona, Poona Perm.— 20, Shukrawar Pet, Khasgiwale Road, Poona.	...	R-
5586	Khurme, Prakash. Ved	1921	B.Sc. Hons. (Punjab —'48) M.Sc. (Punjab—'45)	Working on development of new permanent mag- nets in progress.	Pres — National Metal- lurgical Lab, Jamshed- pur. Perm.— Vill. & P.O Sinalsar, Tehsil Moga, Distt. Ferozepur	Sr. Scientific Assistant.	R-SG.
5587	Khweja, Nasiruddin.	1929	B.Sc. (Bombay—'50) M.Sc. (Aligarh—'52)	...	Pres.— C/o Abdul Quy- yum Dehmukh, 4, Sharrif Building, Maz- gaon, Bombay 10 Perm.— Do.	...	Un.
5588	Kohli, Ratan Chand.	1923	B.Sc. (Punjab—'44) M.Sc. (Poona—'52)	Engaged in analysis of explosives & general chemicals.	Pres—C/o T.D.E. (M.E.), Kirkee, Poona 3. Perm. — C/o L. Hari Chand Kohli, Vill. & P.O. Jamsher, Distt Jullundur, East Punjab	Jr. Scientific Assistant.	STO-G.
5589	Kolay, Sunil Kumar.	1928	B.Sc. Hons. (Delhi —'47) M.Sc. (Delhi—'49)	...	Pres — 107/1, Railway Quarters, Minto Road, New Delhi. Perm.— Do.	...	Un.
5590	Krishnamurti, Subra- mania.	1917	B.Sc. Hons. (Anna- malai—'39) M.Sc. (Annamalai —'41)	For 4 years worked in a cordite factory.	Pres — Anna Malai Uni- versity, Anna Malai- nagar. Perm.— Do.	Lecturer in Chemistry.	TR-SG.
5591	Krishnamurti, S.	1924	M.Sc. (Delhi—'46)	Engaged in analytical work.	Pres.—Central Revenues Control Laboratory, New Delhi 5. Perm.— Do.	Chemical Asstt	STO-G.
5592	Kulkarni, Bal Anant.	1923	M.Sc. (Bombay—'48)	Analysis of textile fibres, ores, minerals, alloys, commercial products like dyes, oils, etc	Pres—Customs Chemical Services Laboratory, Bombay Perm — C/o R.N. Rajadnye, Rajadnye Wada, Near Vidyapeeth, Kolhapur City	Chemical Asstt.	STO-G.
5593	Kumar, Bhushan. Vidya	1924	B.Sc. Hons. (Punjab —'45) M.Sc. Phys. Chem. (Punjab)	Engaged in research & manufacture of composite wood. Published a paper on 'Hygrometric properties of fibres'	Pres.— C/o Forest Re- search Inst., Dehra Dun Perm.— Do.	Research Asstt.	R-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5594	Kuwadekar, Shankar Narayanrao	1924	B.Sc. (Bombay—'46) M.Sc. (Bombay—'49)	From 1946-50 did teaching work in Wilson College.	Pres.— Armoured Corps Centre & School, Ahmednagar, Deccan. Perm—Saraswat Colony, Building A/8, First Floor, Sitaladevi Temple Road, Mahim, Bombay.	Education Officer.	T-G.
5595	Lakhanpal, M.L.	1929	B.Sc Hons (Punjab —'43) M.Sc. (Punjab —'44)	Besides teaching to B.Sc. guiding research work to M.Sc. students in physical chemistry, published papers on adsorption theories in colloid chemistry.	Pres.—Chemistry Dept., Punjab University College, Hoshiarpur. Perm.—C/o White House, Near Canal Office, Civil Lines, Ludhiana.	Demonstrator-cum-Lecturer in Chemistry.	TR-SG.
5596	Lakshmanan, M.	1901	B.A. Math. (Madras —'22) B.Sc. (Madras—'23) M.Sc. spl. Colloids (Banaras—'26) L.T. (Madras—'29)	Since 1929 doing teaching work.	Pres.—Govt. Arts College, Madras. Perm — 1, Lakshmanachettiar Street, T. Nagar, Madras.	Lecturer in Chemistry.	T-G.
5597	Lakshminarayanan, Venkamamudi.	1908	M.Sc (Banaras—'31) B.Ed. (Andhra—'33)	Since 1933 doing teaching work up to B.Sc. classes.	Pres.— Govt. Arts College, Anantapur. Perm.— C/o Sri V. Vijayalakshmi, Nazerpet, Tenali, Distt. Guntur	Asstt Lecturer in Chemistry.	T-G.
5598	Lodha, Hans Raj.	1926	M.Sc (Lucknow—'49) F.I.C.S.	Teaching physical chemistry to B.Sc. and postgraduate classes.	Pres.— Jaswant College, Jodhpur. Perm — Bhilstion-ka-Bas, Jodhpur.	Lecturer in Chemistry.	T-G.
5599	Mahajan, Arvind Vinayak.	1922	B.Sc (Allahabad—'44) M.Sc (Allahabad—'46) F.I.C.S.	...	Pres.— Chem. Dept., University of Saugor, Saugor. Perm — Do.	Lecturer in Chemistry.	TR-SG.
5600	Mahapatra, Prabhatkar.	1926	B.Sc. (Utkal—'49) M.Sc. (Utkal—'51)	...	Pres.— 23, T.R. Type, Tuzu Road, Sakchi, Jamshedpur. Perm.— Vill. & P.O. Kuamara, Distt. Myurbhanj, Orissa.	...	Un.
5601	Mangla, Lekhraj.	1929	B.Sc. (Lucknow—'50) M.Sc (Lucknow—'52)	...	Pres.— C/o Shri Ratten Lal Gupta, Ticket Collector, Mathura Jn., Mathura. Perm.— Ballab Garh, Distt. Gurgaon.	...	Un.
5602	Mapara, Hir Lal Motilal.	1904	B.A. Hons. (Bombay —'27) B.Sc Hons. (Bombay —'28) M.Sc. (Bombay—'31)	Since 1927 teaching chemistry, published papers on X-ray investigation of crystals and other physical chemistry problems.	Pres.— Chem. Dept., Samaldas College, Bhavnagar. Perm.— 601, Shanti Sadan, New Manekwadi, Bhavnagar.	Professor of Chemistry.	TR-NG.
5603	Mathai, Inchikalayil Mathen.	1936	B.Sc. Hons. (Anna-malai—'48) M.A. Chem. (Anna-malai—'49)	...	Pres.—Madras Christian College, Tambaram. Perm.— Inchikalayil, P.O. Muttambalam, Kottayam, T.O. State.	Lecturer in Chemistry.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5604	Mathur, Jagdish Prasad.	1929	B.Sc. (Lucknow-'47) M.Sc. (Lucknow-'49)	Doing research on the effect of impurities on crystal growth besides teaching	Pres.—Shia Degree Col- lege, Lucknow Perm.—Umrao Bahadur Road, Hauzganj, Lucknow.	Head of Chem. Dept.	TR-NG
5605	Mathur, Rajesh Narain.	1929	M.Sc. (Aligarh—'50)	...	Pres.— Govt. Opium Factory, Ghazipur City. Perm.—C/o Shree P.N. Mathur, Distt. Collection Officer, Civil Lines, Aligarh.	Chemical Asstt	STO-G.
5606	Mazumdar, Anil Bhuson Nandi.	1919	M.Sc. spl. Soil Science (Dacca—'39)	Inspection & examina- tion of general stores, clothing and ammu- nition.	Pres.— C/o I G S., Has- tings, Calcutta	Asstt Inspec- tor	STO-G.
5607	Mehendale, Vishnu Laxman.	1911	B.Sc. (Bombay—'35) M.Sc. (Bombay—'39) A.R.I.C. (London)	Testing and inspection of paints, chemicals, textiles and explosives.	Pres.— T.D.E. (M.E.), Kirkee, Poona 3. Perm.— 625, Sadashiv Peth, Poona 2	Asstt Supdt.	STO-G
5608	Mehrotra, Charan.	1922	B.Sc. (Allahabad—'41) M.Sc. (Allahabad—'43) D.Phil. (Allahabad —'48) Ph.D. (London—'52) F.R.I.C. (London) F.I.C.S. F.N.A.Sc.	Besides teaching work since 1949, doing re- searches in physico- chemical study of the organic compounds of rare elements and analytical chemistry, published a number of papers.	Pres.—Chemistry Dept., Allahabad University, Allahabad Perm.— C/o Sri Dina Nath Kapoor, 426, Ahiyapore, Allahabad.	Lecturer in Chemistry.	TR-SG.
5609	Misra, Jagdish.	1931	B.Sc. (Lucknow—'49) M.Sc. spl. Colloids. (Lucknow—'51)	...	Pres.— C/o K.N. Jauhar, 104/430, P. Road, Sisa Mau, Kanpur Perm.— Risaldar Bagh, Lucknow.	..	Un.
5610	Misra, Rani. (Miss)	1926	B.Sc. Hons. (Patna —'48) M.Sc. (Patna—'50) F.I.C.S	2½ years teaching work.	Pres.— Magadh Mahila College, Patna Perm.— C/o Mr. P.C. Misra, Advocate, Daria- pore Gola, Patna 4.	Lecturer in Chemistry	T-NG.
5611	Mitra, Dinabandhu Prasad.	1918	B.Sc. (Banaras—'38) M.Sc. (Banaras—'40)	Over 10 years work in the inspection of drugs, chemicals and surgical instruments.	Pres.— C/o P.O. Mitra Esq., Gwynne Square, Lucknow Perm.— 173, Kashi Nath Dutta Road, P.O. Baran- nagar, Calcutta.	Sr. Scientific Assistant	STO-SG.
5612	Mitra, Samarendra Kumar.	1916	B.Sc. Hons (Calcutta —'35) M.Sc. Phy. Chem. (Calcutta—'37)	Experience about modern machine tools, design & laying out of high speed ultracentrifuge, automatic digital com- puting machines, ana- logue linear equation solvers. Contributed papers concerning phy- sical chemistry, theore- tical physics and mathe- matics.	Pres.—Indian Statistical Institute, 203, Barrack- pore, Trunk Road, Cal- cutta. Perm.—5, Old Mayor's Court, P.O. Hatkhola, Calcutta 5.	Head of Tech- nological Section	R-G

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5613	Mitra, Somendra Kumar.	1928	B.Sc. Hons (Calcutta—'47) M.Sc. (Calcutta—'51)	Working on soils, analytical & allied problems	Pres.— C/o D.C. Roy, 750, Remount Road, Alipore, Calcutta 27. Perm — 96, Khetru Banerjee Lane, P.O Sibpore, Howrah.	...	Un.
5614	Moghe, Vasant Anant.	1922	M.Sc. (Agra—'48)	Doing examination of specifications for new inventions for novelty and other requirements as provided in Indian Patents Act.	Pres — 91 B, Govt Quarters, Garcha Ist Lane, Ballygunge, Cal- cutta 19. Perm — Do	Asstt Exam- iner of Patents.	STO-G.
5615	Mohanty, Shiba Ram.	1921	M.Sc. (Banaras—'45) Ph.D. (Banaras—'48) F.I.C.S.	Published a number of papers on electric discharge phenomena in oxygen and heat conduction in liquids.	Pres.—Dept. of Chem., Banaras Hindu University, Banaras. Perm.—Kontaikoti, P.O. Kanchuru, District Ganjam.	Lecturer in Chemistry.	TR-SG.
5616	Mukherjee, Kanai Lall.	1909	B.Sc. (Calcutta—'31) M.Sc. (Calcutta—'39)	...	Pres — Jhargram Agri- cultural College, Midna- pore Perm — 1A, Nilmoni Road, Calcutta 2	Lecturer in Chemistry.	T-G.
5617	Mukherjee, Mohan Lal	1927	B.Sc. Hons. (Calcutta—'49) M.Sc. (Calcutta—'51)	Doing research in electro-chemistry of solutions (aqueous & non-aqueous)	Pres.— 178, Bowbazar Street, Calcutta 12. Perm — Do.	Lecturer in Chemistry.	TR-
5618	Mukherjee, Sachindra Nath.	1903	B.Sc. Hons (Calcutta—'24) M.Sc (Calcutta—'26) D.Sc (Calcutta—'48) F.I.C.S.	Since 1929 teaching physical chemistry and guiding research of postgraduate students, published a number of papers mainly on epidemic dropsy and on arachic acid concentration	Pres.—Phy. Chem. Labo- ratories, Jadavpur College, Calcutta 32 Perm.— P.O Bolpur, Distt Birbhum	Prof. of Phy. Chemistry	TR-NG.
5619	Mukherjee, Kumar. Susil	1914	D.Sc. (Calcutta—'45) Assoc. I.A.R.I (New Delhi—'38)	Researches on membrane electrodes & ionic activity measurements, soil science & colloid chemistry, published a number of papers on electrochemistry of clays, clay minerals, resins, ion exchange, soil science and dairy chemistry	Pres.— Dept of Appl Chem, University Col- lege of Science, 92, Upper Circular Road, Calcutta 9 Perm.— Do.	Lecturer in Phy. Chem.	TR-SG.
5620	Mukhopadhyay, Dhirendra Mohan.	...	B.Sc. (Calcutta—'21) M.Sc. (Banaras—'29)	Since 1924 doing teach- ing work.	Pres.—Dum Dum Moti- jheel College, Dum Dum, Calcutta. Perm.— O/o Dr. B.K. Banerji, P.O. Gondal- para, Distt Hooghly.	Prof of Chem.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5621	Mulay, Laxman Nilakantha.	1923	B.Sc. Hons. (Bombay—'43) M.Sc. Org. Chem. (Bombay—'46) Ph.D. Phy. Chem. (Bombay—'50) F.I.C.S.	Teaching to B.Sc. classes and guiding research work of postgraduate students, doing synthetic work in organic chemistry and application of physico-chemical methods to the study of organic compounds; published papers on magneto-chemical investigations.	Pres.— Institute of Science, Bombay. Perm — Vasant Niwas, Block No. 5, 120, Shivaji Park, Bombay 28.	Lecturer in Chemistry	TR-G.
5622	Mushran, Sukdeo Prasad	1921	B.Sc (Allahabad—'40) M.Sc. Phy. Chem. (Allahabad—'42) D.Phil. Colloid Chem. (Allahabad—'45) F.N.A.Sc. (India)	Published papers on colloids, soils and gels.	Pres.— Allahabad University, Allahabad. Perm — Do.	Lecturer in Chemistry	TR-SG.
5623	Nagarajan, Subbaroya.	1926	B.Sc Hons. (Anna-malai—'47) M.A. Chem. (Anna-malai—'49)	Since 1947 doing teaching work.	Pres — Alagappa College, Distt. Ramnad. Perm — O/o Sri S Subbaroya Iyer, Asstt., Municipal High School, Tiruvannamalai	Lecturer in Chemistry	T-NG.
5624	Naik, Kuverji Gosai.	1885	B.A (Bombay—'05) B.Sc (Bombay—'08) M.A. Chem (Bombay—'09) D.Sc. Chem. (London—'21) F.R.I.C (Gt. Britain & Ireland) F.N.I (India) F.G.S (London) F.I.C.S	Worked as Prof., Principal and Rector at various universities, teaching pure & applied chemistry and also industrial chemistry & Director of Chemical Works. At present engaged in reorganizing the Agra University. Published several papers mostly on the reactivity of organic compounds	Perm.— Naik Villa, Pratapganj, Baroda.	Special Officer	STA-SG.
5625	Naimpally, Ram-mohan Bhavanishankar.	1915	B.Sc Hons. (Bombay—'37) M.Sc (Bombay—'40) A.R.I.C. (London—'49)	Colloids & kinetics of reaction, preparation of different types of inks, plasticine, oil & water colours, published papers mainly on colloids.	Pres—I.G.S Laboratories, Ahmedabad House, Wittet Road, Ballard Estate, Bombay 1 Perm.—B/4, Model House, Procter Road, Bombay 4	Sr. Scientific Assistant.	R-G.
5626	Nakhre, Sharad Kumar Waman	1925	B.Sc. (Agra—'47) M.Sc (Saugor—'49)	Since 1949 doing teaching work	Pres—R.R College, Alwar Perm.— Quarter No. 17-19, Annexe Shivdan Marg, Alwar	Lecturer in Chemistry.	T-G
5627	Nambiar, Pockalath Sankaran Narayanan.	1919	B.Sc. (Travancore—'42) M.Sc (Travancore)	Soil survey work, analysis of milk & milk products and other food materials. At present engaged in toxicological investigations.	Pres — Public Health Laboratory, Trivandrum Perm.—Pockalath House, Padivattom, Edappally	Research Officer	R-G.
5628	Nambisan, V.M.I	1922	B.Sc. Hons. (Madras—'43) Ph.D. (London—'49)	Published a paper on electrodeposition of intermediate alloy phases.	Pres.— Cordite Factory, Aravankadu, Nilgiris. Perm — Korom, Payyanur, N. Malabar, District Madras	Asstt Works Manager. (I.O.S)	STO-G

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5629	Nanda, H.R.	1901	B.Sc. Hons. (Punjab—'29) M.Sc. (Punjab—'26)	27 years teaching experience in chemistry, published papers on ore floatation.	Pres.—Govt. G.M. College, Jammu. Perm.— Purani Mandi, Jammu.	Professor of Chemistry.	T-G.
5630	Nandy, Asit Kumar.	1914	B.Sc. (Dacca—'35) M.Sc. (Dacca—'37)	Doing metallurgical inspection and investigation work	Pres.—Works Inspection Section, Metal & Steel Factory, Ishapur. Perm.—8, Lower Range, Park Circus, Calcutta.	Asstt Foreman.	STO-I.
5631	Narain Singh.	1903	B.Sc. (Punjab—'24) M.Sc. (Punjab—'26)	Since 1927 engaged in the teaching line, published a text book on inorganic chemistry for the intermediate classes	Pres.— Khalsa College, Amritsar Perm — Do.	Lecturer in Chemistry.	TR-NG.
5632	Narasimhan, Pallikaranai Tirumalai.	1927	M.Sc. spl. Dielectrics. (Madras—'51)	Working on crystal growth and study of dielectric properties of crystals	Pres.— Room No. 8C, New Hostel, Indian Institute of Science, Bangalore Perm.— No 10, Babu Rao Street, Tirupapuliyur, Cuddalore N T, Madras State.	Jr Research Assistant	R-SG.
5633	Narayana, Potukuchi Yugha	1906	B.A. Chem. (Andhra—'27) M.Sc. (Banaras—'30) A.I.I.Sc. (Bangalore—'39) F.R.I.C. (London—'47)	Physico-chemical methods of analysis, preparation & testing of explosives and related chemicals, besides over 10 years teaching experience, published papers on thermal dissociation of cadmium carbonate, effect of tannin on viscosity and thermal decomposition of mercury fulminate.	Pres.— Hindu College, Masulipatam. Perm.— 16/18, Kojjillli Pet, Masulipatam.	Lecturer & Head of the Chem. Dept.	T-NG.
5634	Nayar, M. Raman.	1896	B.A. Physics. (Madras—'17) A.I.I.Sc. Chemistry. (Bangalore—'22) F.I.C.S.	Since 1922 teaching & guiding research to M.Sc. & Ph.D. students, published several papers mainly on complex compounds and properties of soils.	Pres.—Lucknow University, Lucknow Perm — Do.	Reader in Chemistry	TR-SG.
5635	Nayar, Sita Ram.	1928	B.Sc. M.Sc.	...	Pres.— Chemistry Dept., D.A.V. College, Jullundur. Perm.— Do.	Lecturer.	T-NG.
5636	Nene, Waman. Madhav	1925	B.Sc. Hons. (Bombay—'47) M.Sc. (Bombay—'52)	..	Pres.—T.D.E., Military Explosives, Kirkee, Poona. Perm.—605/14, Narayan Peth, Poona 2.	Jr. Scientific Assistant.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5637	Niranjan Singh.	1898	B.Sc. Hons. (Punjab—'14) M.Sc. (Punjab—'16)	Worked as Professor of Chemistry at Khalsa College Amritsar for 19 years, as Principal, Sikh National College Lahore for 9 years, Head of Punjab University Chem. Dept. & Professor of Phy. Chem. for 3½ years. Published books on inorganic, physical & practical chemistry for Intermediate, B Sc & B Sc. Hons. classes and papers on solubility of certain salts in the presence of others.	Pres.—Punjab University Camp College, New Delhi. Perm—5/12, East Patel Nagar, Delhi.	Principal	T-SG.
5638	Paliwal, Krishna Vallabh.	1927	M.Sc. (Agra—'52)	...	Pres— C/o Ram Dutt Paliwal, Koti Lakhmi Chand, Vaidy Jeevani Mandi, Agra Perm— Ganjdundwara, Distt. Etah	...	Un.
5639	Pande, Raghubar Dat	1911	M.Sc. (Allahabad—'34)	...	Pres.—D S B. Govt. Degree College, Nainital Perm.— Railway Bazar, Haldwani, Distt Nainital	Asstt. Prof. of Chemistry.	T-G.
5640	Pande, Tara Chandra.	1929	B.Sc. (Allahabad—'49) M.Sc. (Allahabad—'51)	Engaged in research work in soil chemistry.	Pres.—Sheela Dhar Institute, Allahabad University, Allahabad Perm.—C/o Shri Jamuna Datt Pande, Cloth Merchants, Lala Bazar, Almora.	Research Scholar	R-S
5641	Patani, Mafatil Jeshingbhai.	1921	B.Sc. Hons. (Bombay—'45) M.Sc. (Bombay—'50) F.I.C.S	5 years teaching work, and also doing research in colloidal system	Pres.—L D Arts College & M.G. Science Inst., Navarangpura, Ahmedabad. Perm.— Vasai (Fichal), P.O. Dinoj, via Mehsana, North Gujarat	Lecturer in Chemistry.	TR-NG.
5642	Pathak, Keshav Dattatray.	1924	B.Sc. Hons. (Bombay—'46) M.Sc. (Bombay—'51)	5 years teaching work.	Pres.— Lingraj College, Belgaum. Perm— C/o Shri D P Pathak, P O Kasad, Distt. Satara	Lecturer in Chemistry.	T-NG.
5643	Patil, Balkrishna Vasudeo.	1910	M.Sc. (Bombay)	Chemical analysis of both organic and inorganic substances	Pres.—Wasudeo Building No. 3, Burrows Lane, Bombay 2 Perm.—Akshi, Taluk Alibag, Distt Kolaba.	Offg Chem Assistant	STO-
5644	Patwardhan, Narayan Keshav.	1917	B.Sc. (Bombay—'38) M.Sc. Soil Chem. (Bombay—'40) Ph.D. Phy. Chem (Agra—'45) A.R.I.C (London—'48)	Conducting researches in soil science and building materials in general, published research papers.	Pres—Central Building Research Institute, Roorkee Perm.— 3, Polo Ground, Roorkee.	Asstt. Director (Chemistry)	R-SG.

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5645	Paul, Nripendra Chandra	1917	B.Sc. (Calcutta—'37) M.Sc. (Calcutta—'40) L.I.M. (London—'49) F.I.C.S	Analytical and metallurgical work.	Pres.—Ordnance Factory Laboratory, P.O. Ambernath, Bombay.	Asstt. Foreman.	STO-I.
5646	Pillai, Keerapa Krishnan Narayana.	1901	B.A Chem. (Madras—'28)	Since 1923 engaged in toxicological examination, water & food analysis, etc., published papers	Pres.—T.C. 90, Kunukuzhi, Trivandrum Perm.—Keepara House, Anthinad, P.O. Palai.	Asstt to Chemical Examiner, (Travancore-Cochin Govt.)	STO-G.
5647	Pillay, P G Nilakanta	1906	B.A Chem (Madras—'26) M.Sc (Banaras—'29)	Since 1929 engaged on water purification, sewage disposal and industrial waste treatment work.	Pres.—Central Research Inst., Trivandrum. Perm.—Poovathuchira, Ambalapuzha, Travancore.	Research Officer.	STO-G.
5648	Pradhan, Raj Kumar.	1928	B.Sc. (Banaras—'49) M.Sc (Lucknow—'51)	...	Pres.—C/o Shri Thakur Prasad, 107/29, Jawahar Nagar, Kanpur. Perm.—C/o Girja Dayal, Advocate, Mohalla Bantawa, Gonda, U.P.	...	Un.
5649	Puri, Amar Nath	1896	B.Sc Hons. (Punjab—'18) M.Sc (Punjab—'20) Ph.D (London—'24) D.Sc (London—'28)	Practical experience in soil conservation, soil stabilization for earth roads, reclamation of water logged areas and barren alkali lands; published a large number of papers on these subjects.	Pres.—Field Research Station, Bombay Perm.—13, Shri Niketan, Queens Road, Bombay	Director.	R-G.
5650	Puri, Vidya Sagar	1896	M.Sc (Punjab—'20) Ph.D Chem. (London)	27 years teaching work besides guiding M.Sc & Ph.D students in research, published papers on deposition of metals, knowledge of storage and preservation of canals	Pres.—Govt College, Rohtak. Perm.—C/o M/s. Atma Ram & Sons, Kashmere Gate, Delhi.	Principal & Head of Chem Dept	TR-G
5651	Purushotham, A	1912	M.Sc. (Banaras—'37) D.Sc. (Banaras—'41) F.Inst.P (London—'44)	About 13 years research work on wood preservation and fire resistance of timbers; published papers on colloids, electrical discharges and timber physics.	Pres.—Wood Preservation Branch, Forest Research Institute, P.O. New Forest, Dehra Dun Perm.—Stonehousepet, Nellore	Officer-in-Charge.	R-G.
5652	Rai, Ram Chandra.	1919	B.Sc (Allahabad—'40) M.Sc (Allahabad—'42) D.Phil. (Allahabad—'50)	Teaching up to postgraduate classes and guiding research on colloid chemistry, kinetics of reactions, oxidation & reduction, constitution of blue perchromic acid and analytical chemistry; contributed papers on these subjects.	Pres.—St. John's College, Agra. Perm.—Vill & P.O. Gondaur, Distt. Ghazipur.	Lecturer in Chemistry.	TR-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5653	Rajagopalan, Kum-mattithidal Santha-nam.	1923	B.Sc. Hons. (Andhra —'45) M.Sc (Delhi—'46) Ph.D. (Delhi—'50)	Researches in electro-chemistry with special reference to electro-chemical methods of analysis, crystal & colloid chemistry; published papers on these subjects. At present working on photodissociation in single crystals by the effect of polarised light and routine analytical work.	Pres—Divn. of Analytical Chemistry, National Physical Laboratory, Hillside Road, New Delhi. Perm.—C/o K S. Ramanujam, 'Sundara', 7/28, Rajaji Nagar, Pallavaram, Madras	Sr. Scientific Assistant.	R-SG.
5654	Ramachandran, P.C.	1898	B.A. Chem. (Madras —'19) M.A. Chem. (Madras —'22)	Since 1922 teaching chemistry to B.Sc. & M.Sc. classes.	Pres— 6B, Tank Road, Nungambakkam, Madras. Perm.— Do.	Prof. of Chemistry.	T-
5655	Ramachandran, V.	1931	B.Sc. Hons. (Madras —'51) M.Sc. Phy. Chem. (Madras—'52)	...	Pres.— 'Chandrika', 8, Jambulinga, Naik Street, Nungambakkam, Madras 6 Perm.— Do.	.	Un.
5656	Ramaiah, Nanduri Atchuta.	1923	M.Sc. (Banaras—'48)	8 years teaching work, published papers on the electrical discharge in gases and on adsorption.	Pres—Chem Dept., University of Delhi, Delhi Perm— Nandirivani House, Seetampet, Rajahmundry.	Lecturer in Chemistry	T-SG
5657	Ramamanjayulu, Jaudhyala Venkata Sita.	1923	B.Sc. Hons. (Andhra —'44) M.Sc. Phy. Chem. (Andhra—'45) D.Sc. Phy. Chem. (Andhra—'49) A.R.I.O. (London —'48)	7 years of research work in physical, inorganic & industrial chemistry. Now engaged in survey & dissemination of information on industrial wastes and mineral industries of India; published papers and notes on the above subjects.	Pres—National Chemical Laboratory, Poona 7. Perm— Challapalli Street, Innespeta, Rajahmundry.	Jr. Scientific Officer.	Scientific editing
5658	Rao, Aryasomayajula Venkata Subba	1930	M.Sc (Saugor)	...	Pres—Chem. Dept., P.R. College, Kakinada, Distt. East Godavari. Perm— Do.	Demonstrator in Chemistry.	T-NG.
5659	Rao, B. Joga.	1919	B.Sc. (Delhi—'41) M.Sc (Bombay—'45)	Preparation of bibliography of scientific subjects by abstracting & indexing literature from scientific & technical periodicals and reports.	Pres— M.G.O. Branch, Army H.Q., New Delhi. Perm.—C/o Dr. B. Viswa Nath, 8A/85, W.E. Area, P.O. Karol Bagh, New Delhi	Sr. Scientific Assistant.	Scientific editing & publication.
5660	Rao, Batni Subba.	1923	B.Sc. Hons. (Bombay —'44)	...	Pres—Intermediate College, Chikkamangalur. Perm— Do.	Lecturer in Chemistry.	T-G.
5661	Rao, Buruganahalli Bhimasesha.	1904	B.Sc (Mysore)	Over 14 years experience in analytical chemistry especially concerning agricultural work besides teaching of organic & physical chemistry.	Pres— Chem. Section, Dept. of Agriculture, Bangalore. Perm— Do.	Asstt Chemist	STO-G. T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5662	Rao, Gandikota Gopala.	1908	M Sc (Allahabad) D Sc (Allahabad) F.O.S.	20 years of teaching work and directing research to M.Sc. & D.Sc. classes in photochemistry, catalysed & induced reactions, analytical chemistry, physico-chemical approach to microbiology & biochemistry and utilization of minerals for chemical industries. Published a number of papers on the above subjects.	Pres.— Andhra University, Waltair.	Prof. & Head of Chem. Dept.	TR-SG.
5663	Rao, Karlapalem Narasimha	1928	B.Sc (Andhra—'48) M Sc (Nagpur—'51)	...	Pres.—O/o Shri K. Hanumantha Rao, II Line, II Cross Road, P.O. Arundelpet, Guntur. Perm.— Do.	...	Un.
5664	Rao, Mosiri Ananta Padmanabha	1901	M.A. (Madras—'23) Ph.D (London—'28) F.A.Sc (India) M.I.Ch.E. (England)	From 1928-44 served on the staff of the Inst. of Science Bangalore. Published papers on dipole moments.	Pres.— A.C. College of Technology, University of Madras, Madras.	Director & Prof of Chem Engg.	TR-SG.
5665	Rao, Nallacheruvu Hanumanth	1913	M.Sc. (Banaras —'36)	Managing the working of limestone quarry. Published papers on coagulation of gold hydrosol and properties of thin metallic films.	Pres.— Sitarampuram Limestone Mines, A.C.O Ltd., P.O. Piduguralla, Distt. Guntur. Perm.— O/o V. Gopalakrishna, Nazirpet, Tenali, Distt. Guntur.	Manager.	STO-I.
5666	Rao, Pinglay Bhavani-saukar	1928	B.Sc (Madras—'47) B.Sc. Hons. (Madras —'51)	Since 1947 engaged in teaching work.	Pres.— The College of Engineering, Guindy, Madras Perm.—17, Hanumantha Royan Koil Street, Triplicane, Madras 5	Asstt Lecturer in Chemistry.	T-G.
5667	Rao, Pullala Venkata Jagannatha.	1915	M.Sc. Chem (Banaras —'36) B.Ed. (Andhra—'41)	14 years teaching experience, published papers on the kinetics of coagulation of colloids & the thermo-ageing of colloids.	Pres.— Khalikhote College, Berhampur, Distt Ganjam. Perm.— Do.	Prof. & Head of Chem. Dept.	TR-NG.
5668	Rao, Ramayanan Koti Suryaprakasa.	1932	B.Sc. Hons (Andhra —'62)	...	Pres.—Kothapet, Ongole Perm.— Do.	...	Un.
5669	Rao, Seethamraju Prasada.	1928	B.Sc. (Andhra—'50) M.Sc. (Rajputana—'52)	...	Pres.—C/o V. Venkateswararao, Supervisor, Gannon Dunkerley & Co, Guntur. Perm.— C/o S. Venkatarao & Co, Book Sellers, Amalapuram.	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5670	Ray, Dhirendra Nath.	1914	B.Sc. (Calcutta—'36) M.Sc. Phy. Chem. (Calcutta—'40)	Since 1942 engaged in the teaching profession.	Pres.—Krishnath College, P.O. Berhampur Perm — Vill. & P.O. Amaragarh, District Burdwan.	Professor of Chemistry	T-NG.
5671	Ray Chaudhuri, Rabindra Nath.	1907	B.Sc. (Calcutta—'27) M.Sc. (Calcutta—'29)	Since 1936 engaged in teaching particularly inorganic & physical chemistry	Pres.— Serampore Col- lege, Serampore, Hooghly. Perm.— G/o Sri Paras Chandra Sinha, Vill Durganagar, P.O. Mad- ral, Distt 24 Parganas.	Lecturer in Chemistry	T-NG.
5672	Raychaudhuri, Satyaprasad.	1904	M.Sc. Phy. Chem. (Calcutta—'27) D.Sc. (Calcutta—'32) Ph.D. Agri. Chem. (London—'36) D.Sc. Soil Science. (London—'45) F.R.I.C. (London—'44) F.N.I. (India) F.Ameri Soc. of Soil Conservation.	Soil conservation and land utilization; now conducting & guiding research work in soil survey, soil chemistry, fertilizers & manures and teaching post- graduate classes in soil science and agricultural chemistry; published several papers on adsorp- tion, electrochemistry of colloids, soil survey, soil colloids, etc.	Pres — Indian Agricul- tural Research Inst., New Delhi 12. Perm.— Vill. Saidpur, Distt Taki, 24 Par- ganas.	Head of the Divn. of Soil Science & Agri. Chem.	TR-G
5673	Rengachari, S.	1912	B.A. Chem. (Madras —'33) M.Sc. (Madras—'37)	From 1939-50 worked in heavy chemical indus- tries and now doing analytical & testing work.	Pres.—Chemical Testing & Analytical Labora- tory, Madras 21. Perm —33, Thirumala- yappa, Mudaly Street, Vepery, Madras 7.	Jr. Analytical Chemist.	STO-G
5674	Rohtagi, Krishna Kamini. (Miss)	1924	B.Sc. Hons. (Calcutta —'48) M.Sc. (Calcutta—'45) D.Phil. (Oxford—'51)	Research work in prob- lems involving photo- chemistry, fluorescence, absorption spectra, interferometry, etc., published papers on these subjects.	Pres.— 45, Armenian Street, Calcutta 1. Perm.— Do	...	Up.
5675	Roshan Singh.	1926	B.Sc. Hons. (Punjab) M.Sc. (Punjab)	...	Pres.—Irrigation & Power Research Inst., Amrit- sar. Perm —Vill. Thana, P O Jha, Tehsil Una, Distt. Hoshiarpur.	Hydraulic Re- search Asstt.	STO-G
5676	Roy, Ram Bedan.	1929	B.Sc. Hons. (Patna —'50) M.Sc. (Patna—'52)	...	Pres —Dept. of Chem., Science College, Patna Perm.— Vill. Rampur, P.O. Hasanpur Sugar Mills, Darbhanga, Behar.	Lecturer in Chemistry.	T-G
5677	Sachdev Singh.	1897	B.Sc. Hons. (Punjab —'20) M.Sc. (Punjab—'22)	From 1922-51 worked in teaching chemistry at different colleges.	Pres.— S.G.T.B. Khalsa College, Karol Bagh, Delhi 5. Perm.— Market No. 1, Model Town, Ludhiana.	Principal	T-NG

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5678	Sah, Harprasad.	1927	B.Sc. (Agra—'50) M.Sc. (Allahabad—'59)	Knowledge of soil science and agricultural chemistry.	Pres.—O/o Shri Thakur Das Sah, Bankers, Almora. Perm.— Do.	...	Un.
5679	Sambasivan, Subramania.	1928	B.Sc. (Annamalai—'49) M.A. Chem. (Annamalai—'51)	Engaged in research work on chemical kinetics.	Pres.—Annamalai Uni- versity, Annamalai- nagar. Perm.—2, East Car Street, Chidambaram.	Demonstrator in Chemistry.	TR-SG.
5680	Sankaranarayanan, K.M	1931	M.Sc. (Banaras—'52)	...	Pres.—P.O. Perumudyur, <i>via</i> Pattambi, Malabar Perm.— Do.	...	Un.
5681	Sarma, Jounavittula Venkateswara	1930	B.Sc. (Andhra—'50) M.Sc. (Banaras—'52)	...	Pres.—C/o J. Punniah Esq., Merchant, Canal Road, Bezwada. Perm.— Do.	...	Un.
5682	Bastry, Tadepalli Viswanadha.	1930	B.Sc. Hons. (Andhra —'50) M.Sc. (Andhra—'51)	...	Perm.—O/o Tadepalli Venkateswarlu, Brah- min Street, Bezwada.	...	Un.
5683	Sathe, Narayan Vinayak.	1920	B.Sc. (Bombay—'40) M.Sc. Phy. Chem. (Bombay—'42) Ph.D. Phy. Chem. (Bombay—'45)	From 1945-52 worked in the teaching line. Con- ducted research on molecular structure in relation to physical properties especially electric and magnetic susceptibilities and published papers.	Pres.—6, Navipeth, Jal- gaon, E.K. Perm.—196/29, Sadashiv- peth, Poona 9.	...	Un.
5684	Selvavinyayakam, S.	1926	B.Sc. (Annamalai —'45) B.Sc. Hons. (Anna- malai—'51)	Doing teaching work since 1946.	Pres.—Teachers' College, Saidapet, Madras. Perm.—P.O. T. Nedun- teri, <i>via</i> Chidambaram, Distt. S. Arcot.	Asstt. Lecturer in Science.	T-G.
5685	Sen, Bidayendra Nath.	1907	B.Sc. Hons. (Calcutta —'28) M.Sc. (Calcutta—'30) F.C.S. (London) F.R.S.A. (London)	Since 1930 engaged in the teaching line, pub- lished a number of papers concerning mainly the chemical reactions of metallic com- pounds.	Pres.—Burdwan Raj College, Burdwan. Perm.— Mithapukur, Burdwan.	Prof. & Head of Chem. Dept.	T-NG.
5686	Sen, Brojesh Chandra.	1928	B.Sc. (Dacca—'48) M.Sc. (Calcutta—'50)	...	Pres.—Dept. of Chem., Victoria College, Cooch- Behar. Perm.— 15/16, Deodar Street, Block B, Cal- cutta 19.	Lecturer in Chemistry.	T-G.
5687	Sen, Kiran Chandra.	1918	B.Sc. Hons. (Calcutta —'38) M.Sc. (Calcutta—'40) D.Phil. Colloid Chem. (Calcutta—'58)	For the last 12 years teaching physical chem- istry to under- graduate & postgraduate classes and guiding re- search work in colloid chemistry.	Pres.—Krishnagar College, P.O. Krishnagar, Distt. Nadia. Perm.— 29/1A, Bagh Bazar Street, Calcutta 3.	Asstt. Prof. of Chemistry.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5688	Sen Gupta, Narayan Chaudra.	1912	B.Sc. (Calcutta—'39) M.Sc. (Calcutta—'55) D.Sc. (Calcutta—'49) F.R.I.C. F.I.O.S. Training in Reservoir Physics. (Amsterdam)	Specialized in industrial researches requiring special knowledge of physical chemistry in the petroleum problems, published several papers.	Pres.—C/o Assam Oil Co. Ltd., P.O. Digboi, Upper Assam Perm.—13/1, Biren Roy Road, West, Calcutta 34	Sr. Fields Chemist.	R-I.
5689	Shah, Chandrakant Chhotalal.	1923	B.Sc. (Bombay—'44) M.Sc. (Bombay—'47)	8 years teaching work.	Pres.— J. & J. College of Science, Nadiad. Perm.—Jamkhana's Pole, Sultanpura, Baroda.	Lecturer in Chemistry.	T-NG.
5690	Shah, Madhavlal Sukhlal.	1898	M.Sc. Org. Chem. (Bombay—'29) Ph.D Inorg. & Phys. Chem. (London—'37) D.I.C. (1947) F.C.S. (London) F.I.C.S. F.A.Sc. (India)	Since 1920 engaged in teaching work and now guiding postgraduate students in inorganic & physical chemistry research problems. Worked on the mechanism of chemical reactions, sorption of gases, combustion of charcoal in gases, thermal decomposition of nitrates & nitrites, etc. Published papers on the above subjects.	Pres.—Gujarat College, Ahmedabad. Perm.— Do.	Principal & Professor of Chemistry.	TR-G.
5691	Sharma, Baij Nath	1923	M.Sc. (Punjab—'45)	Analysis of soils, fertilizers, foods, etc. besides teaching work.	Pres.— Govt. Agricultural College, Ludhiana. Perm.— Do.	Lecturer.	T-G.
5692	Sharma, Dev Das.	1924	M.Sc. (Nagpur—'46)	7 years teaching work	Pres.—College of Science, Raipur. Perm.— Do.	Lecturer in Chemistry	T-G
5693	Sharma, Ram Autar.	1927	B.Sc. (Banaras—'50) M.Sc. Phy. Chem (Banaras—'52)	...	Pres.—New Bihar Medical Store, I, Station Road, P.O. Jugsalai, Tatanagar. Perm.— Do.	...	Un.
5694	Sharma, Ramchandra.	1922	M.Sc. (Banaras)	...	Pres.— Vaish College, Rohtak. Perm.— C/o Shri K.L. Sharma, Ganeshnagar, Pudukkottai.	Lecturer in Chemistry.	T-NG.
5695	Shivapuri, Tej Narain.	1919	B.Sc. (Agra—'41) M.Sc. (Allahabad—'49) D.Phil. (Allahabad—'48)	Published papers on problems pertaining to physical chemistry mainly on molecular solution volumes.	Pres.— Allahabad University, Allahabad. Perm.— 201, Mumfordgunj, Allahabad.	Lecturer in Phy. Chem.	TR-SG
5696	Singh, Ekbal Bahadur.	1928	B.Sc. (Patna) M.Sc. (Patna) F.I.C.S.	Since 1951 engaged in teaching work.	Pres.—H.D. Jain College, Arrah Perm.—Anand Bhawan, M.P. Bagh, Arrah.	Lecturer in Chemistry.	T-NG.
5697	Singh, Girija Nandan.	1927	M.Sc. (Patna—'49) B.L. (Patna—'59)	...	Pres.—Chemistry Dept., Science College, Patna. Perm.— P.O. Shamku, Distt. Monghyr.	Lab. Asstt	STO-(1)

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5698	Singh, Hari Krishna.	1918	M.Sc (Allahabad-'40)	Inspection and analysis of explosives and ingredients used in their manufacture.	Pres.— T.D.E. (M.E.), Kirkee, Poona 8. Perm.— Civil Lines, Sultanpur, U.P.	Sr. Scientific Assistant.	STO-G.
5699	Sinha, Purushottam.	1924	M.Sc Botany, (Lucknow—'44) M.Sc Chem. (Allahabad—'46) F.B.S (India) F.I.O.S.	Teaching chemistry upto degree classes	Pres.— R.R. College, Alwar. Perm.— Civil Lines, Alwar.	Prof. & Head of Chem. Dept.	T-G.
5700	Sivarama Krishnan, A G	1923	B.Sc (Madras—'41)	Editing and distribution of technical and scientific literature on Defence Service Equipments, written a number of articles	Pres — M.G.O Branch, New Delhi Perm.— Eastern Village, Tattamangalam, Palghat.	Jr. Scientific Officer.	Scientific editing & publication.
5701	Somayajulu, Gollakota Rama.	1928	B.Sc. (Andhra—'49) M.Sc Phy. Chem. (Banaras—'52)	...	Pres—Indian Association for the Cultivation of Science, Calcutta Perm—Kothapet, Pithapuram.	Jr. Research Scholar.	R-S.
5702	Sontakke, Raghunath Digambar.	1923	B.Sc (Bombay—'45) M.Sc. (Bombay—'50)	Worked for 3 years in teaching, now doing analytical work regarding the examination of various types of explosives and allied materials	Pres — T.D.E (M E ), Kirkee, Poona Perm.— Anant Nivas, 1206-A/14, Poona 4.	Jr. Scientific Assistant.	STO-G.
5703	Srikant, Hattikudar.	1923	B.Sc. Chem. (Madras —'49) B.Sc. Physics (Madras—'44) B.Sc. Tech. esp. Chem. Engg. (Madras—'46) M.Sc Phy. Chem. (Madras—'50)	Working on Industrial catalysis in general	Pres—Ananda Mandir, 9th Main Road, Bangalore.	Research Scholar.	R-S.
5704	Srinivasacharya, C	1929	B.Sc. Hons. (Madras —'50) M.Sc (Madras—'51)	...	Pres — 27, Kasturchand Building, Gokhale Road, Dadar, Bombay 28. Perm.— O/o C. Krishnachar Chitpadil, P.O. Udupi, S.K.	...	Un.
5705	Srinivasan, Swami-malai Ramachandra	1925	B.Sc (Saugor—'50) M.Sc. (Saugor—'52)	...	Pres.— O/o S.R. Viswanath, Shri Tirath Palace, Warden Road, Mahalakshmi, Bombay. Perm.—O/o K.S.R Iyer, Sarvamanya Street, Swamimalai, District Tanjore.	...	Un.

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5706	Srivastava, Bachchan Lal.	1928	M.Sc. (Allahabad-'52)	Analysis of soils and fertilizers.	Pres — C/o Shri Jata Shanker, Lab. Asstt., Chem. Deptt., University of Allahabad, Allahabad. Perm.— Vill. & P.O. Sukhpura, Distt. Ballia	...	Un.
5707	Subbaiah Naidu, V.C.	1916	B.A. Chem. (Madras —'36) M.Sc. (Banaras—'39) B.Ed. Phy. Science. (Andhra—'45)	Over 12 years teaching work to Inter & B.Sc. classes.	Pres.— Govt. Arts College, Anantapur. Perm.— Do.	Asstt Lecturer in Chem.	T-G.
5708	Subrahmanyam, Varthamanithy.	1925	M.Sc. (Banaras—'49)	Since 1947 doing teaching work.	Pres.— Madras Christian College, Tambaram. Perm.— 118, Amman Sonnath, Shencottah.	Lecturer in Chemistry.	T-N.G.
5709	Subramanian, N.	1928	M.Sc. (Delhi—'49)	Engaged in analytical work.	Pres — Central Revenues Control Laboratory, New Delhi 5. Perm — Do	Chemical Asstt.	STO-G.
5710	Subramonia, Narayana Aiyar.	1922	M.Sc. (Travancore)	Since 1942 doing teaching work.	Pres — Science College, Raipur. Perm — C/o R. Subramonia Aiyer, T C 184, Sivancoll Street, Karamana, Trivandrum.	Lecturer in Chemistry	T-G
5711	Subramonia Varier, N	1914	B.A. Chem. (Madras —'39) M.Sc. (Madras—'38). F.I.C.S.	6 years experience of teaching to inter, graduate & postgraduate classes besides 6 years research work, published papers.	Pres.— University College, Trivandrum. Perm.— Do.	Lecturer in Chemistry	TR-SG
5712	Sundaram, Venkateswaran.	1928	B.Sc. (Bombay—'46) M.Sc. (Bombay—'49) Ph.D. (Bombay—'53) F.I.C.S.	Carrying out research work with special reference to colloids, soaps, light scattering and other optical properties; published papers on these subjects.	Pres — C/o Dr S Venkateswaran, Flat No 11, Tulsi Vihar, 70, Marine Drive, Bombay. Perm — Do.	Research Scholar	R-S.
5713	Suryanarayana, Chittari Venkata.	1924	B.Sc. Hons (Andhra —'45) M.Sc. Inorg. Chem. (Andhra—'47) D.Phil. Phy. Chem. (Allahabad—'51)	Teaching physical chemistry to B.Sc. classes and directing research in the kinetics of chemical reactions.	Pres.— Annamalai University, Annamalainagar	Associate Prof. of Chem.	TR-SG
5714	Suryanarayana, Upamaka.	1905	M.Sc. (Banaras—'30) B.Ed. Phy. Science (Andhra—'31)	About 22 years experience of teaching to inter & B.Sc. classes.	Pres.— Govt. Arts College, Anantapur. Perm.— C/o Sri U. Brahmayagam, Sesbhavaram, Peddapuram Taluk, Distt E Godavari.	Asstt Lecturer in Chem.	T-G.

## GENERAL &amp; PHYSICAL CHEMISTRY - Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5715	Syed Hussain.	1902	M.Sc. (Aligarh-'25) Ph.D. (London-'27)	Since 1928 teaching chemistry and now guiding research in inorganic problems & electrochemistry, published papers on the same. Worked for sometime as Registrar, Director Research Institute and Vice-Chancellor of Osmania University.	Pres.— Nizam College, Hyderabad. Perm.—O/o The Hyderabad State Bank, Hyderabad.	Principal & Prof. of Chemistry.	TR-G.
5716	Tandon, Daya Sagar.	1921	B.Sc. (Allahabad-'41) M.Sc. (Allahabad-'49)	Analysis and testing of materials of various types, metallic soaps & their gels in various fractions of petrol, manufacture of ultramarine blue and electro-plating work. Published papers on (a) recovery of copper from scrap (b) plating on aluminium.	Pres.—National Metallurgical Laboratory, Jamshedpur 7. Perm—10, Crosthwaite Road, Allahabad.	Jr. Scientific Officer.	R-SG.
5717	Thomas, Maniat Kochummen.	1914	B.Sc. (Madras-'34) M.Sc. Phy. Chem. (Agra-'36) A.I.M. (London)	Testing of materials (heat treatment—electroplating — corrosion preventive measures) used in aircraft construction and maintenance.	Pres.— Hindustan Aircraft Ltd., Bangalore. Perm.—'Maniat', P.O. Adur, Travancore-Cochin.	Process Engineer.	STO-I.
5718	Tyagarajan, Rathnaswamy.	1924	B.Sc. (Anna Malai-'44) B.Sc. Hons. Chem. (Anna Malai-'50) M.A. (1952)	3 years service.	Pres.—21, Bigvania Street, Chidambaram.	Demonstrator in Chemistry.	T-
5719	Varma, Yogendra Kumar.	1930	B.Sc. (Patna-'48) M.Sc. (Patna-'50)	Analytical chemistry concerning volumetric, conductometric and colourimetric work.	Pres.—L-658, Saharpura, Sindri. Perm—C/o R.P. Varma Esq., Advocate, Haridaspur, P.O. Khagoul, Distt Patna.	Jr. Chemist.	STO-G.
5720	Vaswani, Vishnudas Kalachand.	1914	B.Sc. Hons. (Bombay-'38) Special training in soil mechanics.	Soil survey work and analysis of soils.	Pres.— Tapti Division, Surat.	Research Asstt	R-G.
5721	Venkatamma, Nallan Chakravarthula	1927	B.Sc. Hons. (Andhra-'50) M.Sc. (Andhra-'51)	...	Pres.—Lady Irwin College, New Delhi Perm.—C/o N.G. Rangacharyulu garu, A/1 T.S. No. 1628, Agraharam, Eluru, District West Godavari.	Lecturer in Chemistry.	T-NG.
5722	Venkataratnam, Guda.	1925	B.Sc. (Andhra-'48) M.Sc. (Saugor-'52)	For 2 years did teaching work.	Pres.—Maddur, via Nidadavole, Distt. West Godavari. Perm.— Do.	...	Un.
5723	Venkata Subramanian, Nagaswamy.	1932	B.Sc. Hons. (Madras)	...	Pres.—Madras Christian College, Tambaram. Perm.— Bharathi Road, Madras 11.	Lecturer in Chemistry.	TR-NG.

## GENERAL &amp; PHYSICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5724	Venkateswaran, N S.	1930	B.Sc. (Madras—'50) B.Sc. Hons. (Madras —'52)	...	Pres.—Alagappa College, Karaikudi Perm.—10, Gopalakrishna Iyer Road, T. Nagar, Madras.	Demonstrator in Chemistry	T-N.G.
5725	Venkateswaran, S.	1900	B.A. Chem. (Madras —'19) M Sc. (Madras—'27) D Sc (Madras—'32) B.L (Calcutta—'37) F A Sc. (India)	From 1923-30 worked in the analysis of oils, fats and lubricants, from 1930 to-date on trade mark registration. Published a number of scientific papers and books on law of trade marks.	Pres.— Trade Marks Registry, New Marine Lines, Bombay 1. Perm.— Do.	Dy. Registrar of Trade Marks.	STA-G
5726	Viswanathan, Yerra.	1915	B.A. Chem. (Madras —'37) B Sc Hons. (Madras —'44)	16 years teaching work.	Pres.— Govt. Arts Col- lege, Anantapur. Perm.— Do.	Asstt. Lecturer in Chemistry.	T-G.
5727	Yeddanapalli, Lourdu M (S J )	1904	B.A. (Madras—'27) M A. Phy. Chem. (Calcutta— 35) M A Chem. (Prince- ton—'41) Ph.D. Chem. (Prince- ton—'42) D Sc (Louvain—'45) F.R.I.C. (1961) F I C.S. F C S (London)	Since 1946 teaching phy- sical chemistry and directing research to M Sc. & Ph D. stu- dents in physical and high polymer chemistry. Specialized knowledge of kinetics of reactions, gas & liquid phases, heterogenous catalytic, thermal, photochemical & electrical in the field of high polymer che- mistry and structural & polymerisation study of cashew nut shell liquid & Indian turpen- tine oil; published papers on the same.	Pres.—Dept. of Chemis- try, Loyola College, Madras 6. Perm.— Do	Prof. & Head of Chem. Dept.	TR-N.G.



# INORGANIC CHEMISTRY

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5728	Agarwala, Umesh Chandra.	1980	B.Sc. (Allahabad-'49) M.Sc. (Allahabad—'51)	...	Pres.—192, Colonelgunj, Allahabad. Perm.— Do.	...	Un.
5729	Agrawal, Basant Lal.	1927	B.Sc. (Agra—'48) M.Sc. (Agra—'50) F.I.C.S.	Since 1950 teaching to intermediate classes and agriculture students	Pres.— Khattri Para, Atrauli, Aligarh. Perm.— O/o Shri M.L. Agrawal, Maithan, Agra.	Lecturer in Chemistry	T-
5730	Akki, Basalingappa Channappa.	1924	B.Sc (Bombay—'47) M.Sc. (Karnatak—'51)	6 years teaching work.	Pres.— Basaweshwar College, Bagalkot Perm.— C/o B.B. Halakurki, Bagalkot	Lecturer in Chemistry.	T-NG
5731	Antani, Natvarlal Maganlal	1891	B.A. (Bombay—'14) M.A. Inorg. Chem. (Bombay—'16)	From 1916-52 worked in the teaching line in different educational institutions.	Pres.— 69, Hariparwat, Civil Lines, Agra. Perm.— Do.	...	Retd.
5732	Banerjee, Sukumar	...	B.Sc. Hons. (Calcutta —'42) M.Sc. (Calcutta—'44)	Teaching inorganic che- mistry to B.Sc. & B.Sc Hons. classes besides doing research work in imperfect complex compounds, published papers	Pres.—City College, Cal- cutta. Perm — 60, Joy Mittra Street, Calcutta 5.	Lecturer in Chemistry	TR-NG.
5733	Basu, Benoy Bhawan.	1927	B.Sc. Hons. (Dacca —'48) M.Sc. (Dacca—'49)	...	Pres.— 4/53, Bijoygarh, Calcutta 82. Perm.— Do.	..	Un.
5734	Bhatia, Sahib Dayal.	1907	B.Sc. (Allahabad) M.Sc. (Agra) A.R.I.C. (London)	24 years experience of teaching inorganic che- mistry including ana- lytical work of foods, drugs, water, etc. for 14 years Joint author of 'Modern Inorganic Che- mistry' & 'University Practical Chemistry'	Pres.—Mahendra College, Patiala. Perm. — 4, Baradari Gardens, Patiala.	Prof. & Head of Chem. Dept. and Chief Chemist & Public Ana- lyst to PEPSEU Govt.	STO-G. T-G
5735	Bhattacharyya, Gora- chand.	1924	B.Sc. (Patna—'46) M.Sc. (Patna—'48) Ph.D. Inorg. Chem. (Patna—'52)	Since 1952 teaching chemistry to interme- diate & B.Sc. classes. Specialised knowledge of chemical analysis and the technique of working under highly reduced pressures; pub- lished papers.	Pres.—St. Xaviers College, Ranchi Perm.—P.O. Tulin, Distt. Maubham.	Lecturer in Chemistry.	TR-NG
5736	Bose, Jagadish Kumar.	1929	B.Sc. (Lucknow—'49) M.Sc. (Lucknow—'52)	Analysis of ores, min- erals and alloys.	Pres — C/o Shri N.N. Bose, 3, Ram Ashram, Lokmanjani, Charbagh, Lucknow. Perm.— Do.	...	Un.
5737	Chaudhury, Ajoy Kumar.	1930	B.Sc. (Calcutta—'50) M.Sc. (Calcutta—'52)	...	Pres.— 8, Ananda Lane, P.O. Shambazar, Cal- cutta 4 Perm.— Do.	...	Un.
5738	Dave, Natwar G	1932	B.Sc. (Agra—'50) M.Sc. (Agra—'52)	...	Pres.— Agra College, Agra. Perm -Mansadevi, Agra.	Lecturer	T-SG.

## INORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5739	Dikshit, Radhika Mohan.	1918	B.Sc. (Agra)	Chemical analysis of general and metallurgical stores	Pres.—T D E., Kanpur. Perm.—109/76 (A), Nehru Nagar, Kanpur.	Sr. Scientific Assistant.	STO-G.
5740	Gaur, Dharm Vir Pd.	1929	B.Sc. (Agra—'49) M.Sc. (Agra—'51)	Manufacture of heavy chemicals and the use of straw as manure	Pres — Chemistry Dept., Allahabad University, Allahabad. Perm — O/o Pt. Har Swarup Shastri, Teacher, Govt H.S. School, Buland Shah.	Research Scholar.	R-S.
5741	Ghosh, Amiya Kanti.	1930	M.Sc. (Calcutta—'51)	...	Pres — Birendra Kutir, Old Military Camp, Calcutta	...	Un.
5742	Gokhale, Yeshawant Waman.	1925	B.Sc. (Bombay—'47) M.Sc. (Bombay—'49)	Analysis of alloys and ores.	Pres — Ramnath Gosavi Chawl No. 4, Jawahar Nagar, Khar East, Bandra, Bombay 20. Perm.— Do.	Jr. Research Assistant.	STO-
5743	Goswami, Bejoy Kali.	1902	B.Sc. Hons. (Calcutta—'28) M.Sc. (Calcutta—'26) F.I.C.S.	Since 1934 teaching inorganic chemistry.	Pres — Midnapore College, Midnapore. Perm — P.O. Nabadwip, Malanchapara, District Nadia.	Prof. of Chem.	T-NG.
5744	Grover, Chander.	1923	B.Sc. (Punjab—'45) M.Sc. (Aligarh—'47)	...	Pres.—St Andrew's College, Gorakhpur. Perm.— S/o Dr Radha Krishna, Ghani Bldg, Original Road, Karol Bagh, Delhi	Lecturer in Chemistry.	T-NG.
5745	Gupta, Nath.	1931	B.Sc. (Agra—'50) M.Sc. (Lucknow—'59)	Analysis of minerals, ores, alloys, etc.	Pres — 56, Sahukara, Chandauni. Prem.— O/o Shri B.L. Gupta, Overseer, Well Boring, L.S.G.E.D., Kanpur.	...	Un.
5746	Halwe, Vinayak.	1909	B.Sc. (Agra—'31) M.Sc. (Agra—'33)	Since 1933 working in different analytical and metallurgical laboratories, experience in the analysis of iron & steel, ferrous & non-ferrous alloys, ores, refractories and general chemical work.	Pres.— C/o Director of Inspection (Met), Govt Metallurgical Inspectorate, Tatanagar.	Asstt Inspecting Officer.	STO-G.
5747	Joshi, Bhalchandra Govind.	1928	M.Sc. spcl. Corrosion. (Bombay—'62)	...	Pres.— Wilson College, Bombay. Perm.— 23-O, Zaoba's Wadi, Thakurdwar, Bombay.	Demonstrator in Chemistry.	T-NG.
5748	Joshi, Manharlal Ishwarlal.	1921	B.Sc. Hons. (Bombay—'49) M.Sc. (Bombay—'45) F.I.C.S.	6 years teaching work.	Pres.— King George's School, Ajmer. Perm.— Valam Street, Kotdesangani, Santashtra.	Education Officer.	T-G.

## INORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5749	Kotecha, Mansukhlal Gopalji.	1915	B.Sc. (Bombay—'41) M.Sc. (Bombay—'50)	Engaged in teaching work since 1941	Pres.—Opp Manoranjan, College Road, Junagadh. Perm.—C/o H.G Kotecha, Sanganva Chowk, Near Lohana Bhojans hala, Rajkot.	Lecturer in Chemistry.	T-
5750	Krishnaswami, Kolar Ramakrishna.	1898	B.A. (Mysore—'18) A.I.I.Sc. (1926) D.Sc. Inorg. Chem. (London—'30) F.R.I.C. (London) F.N.I. (India) F.A.Sc. (India) M.M.G.I.	Varied experience since 1918 including consultation, industrial and teaching work, published papers concerning general, inorganic & mineral chemistry.	Pres.— Indian Institute of Science, Bangalore. Perm.— Devarayasamudram, via Kolar, Mysore State.	Head of Dept of General Chemistry.	TR-SG.
5751	Majmundar, Vrajalal Himatlal.	1922	B.Sc. (Bombay—'43) M.Sc. (Baroda—'51)	6 years teaching work.	Pres — Rentia Pole, via Samlaya, Savli, Perm — Narshihji's Pole, Near Dhurv Nivas, Baroda.	Demonstrator in Chemistry.	T-
5752	Malik, Lal Chand.	1931	B.Sc. Hons. (Delhi—'49) M.Sc. (Delhi—'51)	Analysis of metals & metal products and also the manufacture of all kinds of opium drugs including testing, etc.	Pres.— Govt Opium Factory, Ghazipur. Perm.—96, Darya Ganj, Delhi.	Chemist	STO-G.
5753	Master, Sohrab Manekshaw.	1915	B.Sc. (Bombay—'40) M.Sc. (Bombay—'46)	Since 1940 doing teaching work in inorganic and analytical chemistry.	Pres.—S B. Garda College & B.P. Baria Science Institute, Navsari Perm.—Rustumjee Dhaber's House, Lashkari-wad, Navsari	Lecturer in Inorg Chem.	T-NG.
5754	Mate, Vinayak. Bhaskar	1922	M.Sc. (Baroda—'51)	...	Pres.— Narayan Bhuvan, Kharla-vao Road, Baroda Perm.— Do.	Demonstrator	T-
5755	Mathur, Chandra Shanker.	1929	B.Sc. (Agra—'49) M.Sc. (Agra—'52)	...	Pres.— 8/302-A, Arya-nagar, Kanpur Perm.— C/o Shree P.S Mathur, Colour Chemist, Govt. Central Textile Institute, Kanpur	...	Un.
5756	Mathur, Vishnu Shankar	1929	B.Sc. Hons. (Delhi—'49) M.Sc. (Delhi—'51)	Manufacture and testing of all kinds of opium drugs	Pres — Govt Opium Factory, Ghazipur Perm.— B-8/534, Lodi Road Colony, New Delhi 3.	Chemist	STO-G.
5757	Misra, Durga Shankar.	1920	M.Sc. Inorg. Chem. (Allahabad—'43) M.Sc. Org. Chem. (Lucknow—'48)	Knowledge of analysis of metals especially steel and of microphotography. At present engaged in publication of signal training pamphlets.	Pres.— G. S. Publications, School of Signals, Mhow. Perm — Vill. Bhagwant Nagar, P.O. Mallanwan, Distt. Hardoi.	...	Scientific editing & publication.

## INORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5758	Murty, Duvvuri Suryanarayana.	1908	B.A. (Andhra—'28) M.Sc. (Andhra—'35) Cert. of proficiency in Rarer Elements. (I.I.Sc., Bangalore—'32) F.I.M (London)	17 years work in analysis, metallurgical development, inspection and statistical control, published papers concerning these subjects.	Pres.—6, Esplanade East, Calcutta 1. Perm.— C/o Chartered Bank of India, Australia & China, Netaji Subhas Road, Calcutta.	Asstt. Director of Tech. Development.	STA-G.
5759	Murty, Kotikalapudi Lakshmana.	1919	B.A (Andhra—'39) M.Sc. (Banaras—'41)	Specialized knowledge of the analysis of all types—metallurgical products, ores and alloys.	Pres.—Govt. Metallurgical Inspectorate, Tatanagar. Perm.— Chippurupalli Street, Bobbili, Madras State.	Chemical Asstt.	STO-G.
5760	Oza, Krishnachandra Chhotalal.	1926	B.Sc. (Bombay—'49) M.Sc. (Baroda—'52)	...	Pres — Akshar Kunj, Alkapuri, Baroda. Perm.— Do.	...	Un.
5761	Palit, C.C.	1888	D.Sc. Inorganic & Biochem. (Allahabad—'29)	From 1915-52 did teaching work in different institutions. Published a number of papers mainly relating to the various methods of oxidation of chemical products.	Pres.—100, Mothsimganj, Allahabad. Perm.— Do.	...	Retd.
5762	Patel, Shantibhai Ramanbhai	1922	B.Sc (Bombay—'45) M.Sc. (Bombay—'47) Ph.D. (Bombay—'49)	Studying the formation of double sulphates & their properties, published several papers.	Pres.— 6, Sneh-Sadan, 114, Churchgate Reclamation, Bombay 1. Perm.— Do.	Research Scholar.	R-S.
5763	Patil, Shivangonda Rangangonda	1920	B.Sc. Hons. (Bombay) M.Sc (Karnatak)	7 years teaching work.	Pres.—Lingaraj College, Belgaum Perm.— Do	Lecturer in Chemistry.	T-NG
5764	Ramakrishna, Chokkanathapuram Krishnasayyar.	1914	B.A Chem. (Madras—'35) M.A Chem. (Anna-malai—'37)	Since 1938 teaching inorganic chemistry up to graduate classes.	Pres.— St Joseph's College, Tiruchirapalli.	Asstt. Prof. of Chemistry.	T-NG.
5765	Ramanujam, V.V.	1920	B.Sc. (Madras—'40) M.A. Chemistry. (Madras—'47) Dip in Dyeing. (Madras—'38)	Over 7 years teaching work to undergraduate and postgraduate classes, experience in inorganic analysis.	Pres.— Annamalai University, Annamalainagar Perm.— Venkatasapuram, Singaperumal Koil, Distt Chingleput.	Lecturer in Chemistry.	T-SG.
5766	Rawat, Anand Singh.	1928	B.Sc. (Agra—'48) M.Sc. (Agra—'52)	..	Pres.—Govt High School, Lansdowne, District Garhwal. Perm.— Vill. Sati, P.O. Goomkhal, District Garhwal.	Asstt. Master.	T-G.
5767	Ray, Narendra Lal.	1920	M.Sc (Calcutta—'42)	Since 1943 teaching chemistry up to B.Sc Hons. classes.	Pres.—Hooghly Mohsin College, Chinsura, Hooghly Perm.— 'Amar-Smriti', Nutan Bazar, Manirampore, Barrackpore, Distt. 24 Parganas.	Lecturer in Chemistry.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5768	Ray, Harendra Nath.	1906	B.Sc. Hons. (Calcutta—'28) M.Sc. (Calcutta—'30) A.R.I.C. (London)	Manufacture of dry cell batteries, guidance & direction of chemical & metallurgical analysis and investigation jobs, published papers mainly on the estimation of small amount of elements.	Pres.—Indian Ordnance Department, Metallurgical Section, Ishapore. Perm.— 372/18, Russa Road South, Calcutta 18.	Foreman, Laboratory (Olef Chemist)	STA-G. R-G.
5769	Roy, Sailendra Nath.	1919	M.Sc. (Allahabad—'42)	For 8 years worked in the analytical & research laboratories of soda ash and electrolyser plants of the Tata Chemicals Ltd.	Pres.—C/o J.N. Roy Esq., Industries 'C', Dept., Civil Secretariat, Lucknow. Perm.— C/o S.K. Roy Esq., Goalghar, Gorakhpur.	...	Un.
5770	Sachdeva, Ram Lal.	1929	B.Sc. (Agra—'49) M.Sc. (Agra—'51)	...	Pres.—329, Janki Devi Street, Gandhi Nagar, Delhi-Shahdara. Perm.—House No. 270, Vill. & P.O. Jatusana, Tehsil Rewari, Distt Gurgaon.	...	Un.
5771	Salgal, Bisbanu Kumar.	1928	B.Sc. (Agra—'50) M.Sc. (Agra—'52)	..	Pres.—394, Chitla Gate, Chawri Bazar, Delhi. Perm.— Do	...	Un.
5772	Sant, Bharat Rama-krishna.	1931	B.Sc. (Agra—'49) M.Sc. Analytical Chem (Banaras—'51)	.	Pres.—Dept of Chem., Banaras Hindu University, Banaras. Perm.— Do.	Lecturer in Chemistry	T-SG.
5773	Sanyal, Swadesh Kumar.	1922	B.Sc. (Calcutta—'41)	Inorganic analysis of various stores.	Pres.— T.D.E. Laboratories, Kanpur Perm.—B 16/20 U, Pande Howly, Banaras City	Sr. Scientific Assistant	STO-G
5774	Savant, Nanasaheb Gangaram.	1927	B.Sc. Hons (Bombay—'48) M.Sc. (Bombay—'50)	...	Pres.— C/o Capt. S.D. Kadum, S.R.C. Gp. III, Lalbagh Lines, Baroda. Perm.— Do.	Demonstrator in Chemistry.	T-
5775	Saxena, Prem Saran.	1925	B.Sc. (Agra—'47) M.Sc. (Agra—'49)	Since 1949 doing teaching work	Pres.—Govt. Raza Degree College, Rampur, U.P. Perm.— C/o Shree Bal Krishna Saxena, 108/40, Prem Nagar, Dayalbagh, Agra.	Sr. Lecturer & Head of Chem. Dept.	T-G
5776	Sen, Nirmal Kumar.	1919	B.Sc. (Calcutta—'39)	Chemical analysis of various inorganic stores and metals.	Pres.—Chem Inorganic Lab, T.D.E., P.O. Box 320, Kanpur. Perm.—8/213, Aryanagar, Kanpur.	Sr. Tech. Asstt	STO-G
5777	Shah, Mohenlal Mansukhlal.	1921	B.Sc. Hons. (Baroda—'45) M.Sc. (Baroda—'50)	Since 1945 engaged in the teaching line.	Pres.— C/o Dr. H.M. Shah, Jagmal's Pole, Baroda. Perm.— Do.	Graduate Demonstrator in Chemistry	T-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5778	Shah, Nathalal Himatal	1923	B.Sc. (Bombay—'44) M.Sc. (Baroda—'52)	..	Pres.— Chem. Dept., Science Faculty, M.S. University of Baroda, Baroda. Perm —24, Gitamandir, Pratapnagar Road, Baroda.	...	Un.
5779	Sharma, Hari Chand.	1920	B.Sc. Hons. (Punjab —'40) M.Sc. (Punjab—'41)	11 years teaching work.	Pres.— D.S.D. College, Gurgaon. Perm.— Do.	Prof. & Head of Chem. Dept.	T-NG.
5780	Shiva Sahai.	1929	B.Sc. (Agra—'48) M.Sc. (Lucknow—'52)	...	Pres.—C/o B. Parmatama Sahai, Office of the Supt of Post Offices, Kanpur. Perm.— Do.	...	Un.
5781	Shukla, Sukhdeo Prasad.	1926	M.Sc. (Saugor—'52)	...	Pres.— C/o C.S. Shukla, Relieving Station Master, Sagar. Perm — C/o Jag Mohan Shukla, Vill. Baleh, Tehsil Rehli, District Sagar.	...	Un.
5782	Soma Sundaran, K.M.	1927	B.Sc. Hons. (Anna- malai—'52)	Teaching inorganic che- mistry to B.Sc. classes and doing research work.	Pres.— Annamalai Uni- versity, Annamalai- nagar. Perm.— Do.	Lecturer in Chemistry.	TR-SG.
5783	Subramanian, Rama- natha.	1927	B.Sc. Hons (Madras —'47)	Analysis, restoration and preservation of museum exhibits	Pres.— Chemical Conser- vation Section, Govt. Museum, Madras 8. Perm.— Do.	Curator.	STO-G.
5784	Swaminathan, V.	1898	M.A. Chem (Madras) M.Sc. Chem. (Cal- cutta)	80 years experience of teaching chemistry especially inorganic chemistry. Published text books in inorganic & organic chemistry.	Pres.—Allagappa College, Karaikudi, Distt. Ram- nad. Perm.— 1, Rajaji Road, Gandhinagar, P.O. Tallakulam, Madurai, Madras State.	Professor of Chemistry.	T-NG.
5785	Syed Husain	1902	M.Sc. (Aligarh—'25) Ph.D. (London—'27)	18 years teaching work and 5 years as Registrar, Osmania University. Published papers on problems concerning inorganic & electro- chemistry	Pres.—University College of Science, Hyderabad. Perm.— Hyderabad, Hyderabad	Principal & Dean, Faculty of Science.	TR-SG.
5786	Talati, Ambalal Muljibhai	1924	B.Sc. (Bombay —'47) M.Sc. (Bombay—'50) F.I.C.S	...	Pres.—Vithalbhai Patel Mahavidyalaya, Val- labhvidyanagar, via Anand, Bombay State Perm —C/o Muljibhai T. Talati, Vada Bazaar, Umreth.	Demonstrator.	T-NG.
5787	Tillu, Mahadeo Moreshwar.	1918	B.Sc. (Bombay—'41) M.Sc. (Bombay—'44)	From 1944-50 worked in analysis of inorganic minerals, soils, etc., published papers on inorganic estimations.	Pres.— Sahas, Plot No. 21, East Siou, Bombay 22. Perm.— Do	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5788	Ummer, C.O.K	1926	B.Sc Hons. (Annamalai-'46) M.A. (Annamalai —'52) F.I.O.S.	Analysis and testing of minerals & mineral products.	Pres — Chemical Testing & Analytical Labora- tory, Madras 21. Perm — Tellicherry, N Malabar.	Jr. Analytical Chemist.	STO-G.
5789	Vaidya, Gopalrao.	1924	B.Sc. (Agra—'46) M.Sc. (Agra—'50)	Since 1946 engaged in teaching work.	Pres — 29, Sutargali, Indore City Perm.— Do	Lecturer in Chemistry.	T-
5790	Varandani, Tirathdas.	1929	B.Sc. (Agra—'50) M.Sc. (Agra—'52)	...	Pres -Chemical Labora- tories, Agra College, Agra. Perm.— Karim Lodge, Civil Lines, Agra.	Research Schol- lar.	R-S.
5791	Varma, Ishwar Dayal.	1931	B.Sc (Agra—'49) M.Sc. (Agra—'51)	Since 1951 doing teach- ing work.	Pres.-Chem. Dept., Uni- versity Section, Kanya Kubja College, Luck- now Perm.— C/o Dr Har Dayal Varma, Chotta Choraha, Mainpuri, U.P.	Lecturer in Inorg. Chem.	T-SG.
5792	Varma, Kumar.	1929	B.Sc (Lucknow—'49) M.Sc. (Lucknow—'51)	...	Pres — C/o Mr. R B Khare, 4, Ajodhya House, Balmiki Marg, Lal Bagh, Lucknow Perm.— S/o Mr. Misri Lal, Naib Taheildar, Bahrainch.	...	Un.



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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5793	Abraham, Ollapally Philip.	1923	B.Sc. (Madras—'48) M.Sc. (Agra—'51)	Doing teaching work.	Pres.—St Joseph's College, P.O. North Point, Darjeeling. Perm.—Ollapally, Peroor, Ethimmanur, Travancore.	Lecturer.	T-NG.
5794	Achaya, Kongaudra Thammu	1923	B.Sc Hons. (Madras—'43) M.Sc. (Madras—'45) A.I.I.Sc. (Bangalore—'46) Ph.D. (Liverpool—'49) F.I.C.S	Doing pure and industrial research on oils, fats and dairy problems, published papers on Indian animal fats.	Pres.—Central Laboratories for Scientific & Industrial Research, Hyderabad, Perm.— Do.	Scientific Officer.	R-G.
5795	Adaveesiah, C.N	1913	B.Sc Hons. (Mysore—'36) M.Sc. (Mysore—'48)	10 years teaching work and doing research in dyes, drugs and plant products, published papers	Pres.—Central College, Bangalore. Perm.— Do.	Asstt. Prof of Chemistry.	TR-G.
5796	Aghoramurthy, Krishna Sastry	1928	B.Sc. (Madras—'49) M.Sc. (Delhi—'51)	Engaged on the investigation of natural plant and lichen products, published papers concerning synthetic organic chemistry.	Pres.—Dept of Chemistry, University of Delhi, Delhi 8 Perm.—P.O. Tiruvalangadu, Distt. Tanjore.	J.S.A. (C.S.I.R.)	R-S.
5797	Agrawal, Om Prakash	1928	B.Sc. (Agra—'47) M.Sc. (Agra—'52)	...	Pres.—C/o Dr. J.N. Agrawal, 7/201, Sarup Nagar, Kanpur Perm.—Kosi Kalan, Mathura	...	Un.
5798	Ajit Singh.	1932	B.Sc. (Agra) M.Sc. (Agra)	...	Pres.—100, Mursi Mohalla, Juni Indore, Indore City Perm.— Do.	..	Un.
5799	Apar Singh.	1923	B.Sc. (Punjab—'42) B.Sc. Hons. (Punjab—'45) M.Sc. (Punjab—'46) F.I.C.S	4 years teaching work, published papers on new synthetic antimalarials and antiseptics and analytical uses of potassium meta periodate.	Pres.—Punjab University College, Hoshiarpur Perm.— Do	Lecturer in Chemistry.	T-SG.
5800	Arjan Singh.	1919	B.Sc. Hons. (Punjab—'38) M.Sc. (Punjab—'40)	Fermentation and manufacture of pharmaceutical B.P. products. Published papers on colour & chemical constitution and optical rotatory powers & chemical constitution.	Pres.—P.D.I. Ltd., P.O. Distillery, Khassa Perm.—Kucha Mistri Labhu Ram, G.T. Road, Ludhiana.	Chemist	STO-I.
5801	Arora, Sardari Lal.	1929	B.Sc. (Lucknow—'51) M.Sc. Org. Chem. (Lucknow—'53)	...	Pres.—C/o Arora Trading Co., Wholesale Locks Merchants, Safai Hafiz Banna, Sadar Bazar, Delhi. Perm.— Do.	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5802	Avasthi, Bal Krishna.	1929	B.Sc. (Allahabad-'47) M.Sc. (Allahabad-'49)	Engaged in research work on plant chemistry.	Pres.— Chem. Dept., Allahabad University, Allahabad Perm.— 15, Hamilton Road, George Town, Allahabad 2.	Research Scho- lar.	R-S..
5803	Awaramani, Gobind B	1928	B.Sc. Hons (Delhi —'50) M.Sc. (Delhi—'52)	...	Pres -12, Matunga Road, Silvernest, Bombay 19. Perm.— Do.	...	Un.
5804	Badami, Rajashekhar Chananabasappa	1919	M.Sc. spl. Plant pro- ducts (Bombay-'47) F.I.C.S	Since 1943 doing teach- ing work Analysed fixed and essential oils, published papers.	Pres.-Karnatak College, Dharwar. Perm.— 'Chandrodaya', U.B Hill, Dharwar.	Lecturer in Chemistry.	TR-NG.
5805	Balakrishna, Kappa- gantula Jwala.	1922	B.Sc. Hons (Andhra —'49) M.Sc (Andhra—'44) D.Sc. (Andhra—'48) A.R.I.C (London)	Research in synthetic chemistry of flavones & flavonols, plant che- mistry concerning ste- roles & resinols and other physiologically active compounds; pub- lished papers on the same.	Pres.— Organic Lab. Section, T.D.E Labora- tories, P.O Box No. 320, Kanpur Perm - 10th Cross Road, 1st Line, Brodiepet, Guntur	Jr. Scientific Officer	R-G.
5806	Balakrishnan, V S	1914	B.Sc. Hons. (Anna- malai—'35) M.Sc Appl Org Chem. (Madras-'41)	Synthesis of fine organic chemicals & drugs; micro-estimation of carbon, nitrogen, hydro- gen & arsenic; analy- tical examination of chemicals.	Pres.— Central Hospital, Southern Railway, Golden Rock Perm.— H 49, Railway Colony, Golden Rock.	Lab Supdt.	STO-G.
5807	Bali, Nath Tapeshwar	1932	B.Sc. (Agra—'49) M.Sc (Agra—'52) F.C.S (London)	...	Pres -C/o N K. Mahesh- wari, 31/80, Ghumni Mahal, Kanpur. Perm — Do.	...	Un.
5808	Banerjee, Bimal Claudra	1924	B.Sc (Delhi—'44) M.Sc (Delhi—'47) F.I.C.S	Teaching of chemo- therapy	Pres — D A. V College, Kanpur Perm — C/o Syt. N C Banerjee, 2, Rajani Banerjee Lane, Uttar- para, Distt Hooghly.	Lecturer in Chemistry	T-NG.
5809	Banerjee, S. K.	1910	B.Sc (Banaras—'31) M.Sc. (Banaras—'33)	Testing and synthesis of drugs including general & medicolegal analysis and manufacture of cocaine, opium & their salts.	Pres — Opium Factory, Ghazipur	Asstt Chemical Examiner.	STO-G.
5810	Baslas, Krishna Kumar	1922	B.Sc (Agra) M.Sc (Agra) Ph.D (Agra)	Since 1942 teaching organic chemistry to inter, degree and post- graduate classes; carry- ing on researches in plant chemistry (essen- tial oils, fatty oils, alka- loids & tannins) and now on the essential oils of various odori- ferous plants; published papers on the same and books for the degree classes.	Pres — Org Chem. Sec- tion, Agra College, Agra. Perm — Chhattaghat, Agra.	Lecturer in Chemistry.	TR-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5811	Bera, Bankim Chandra.	1916	B.Sc. Hons. (Calcutta—'39) M.Sc. (Calcutta—'42)	9 years work in the analysis and synthesis of organic compounds, published papers on the same. At present engaged in the investigations of various sugars derived from cellulose	Pres.—Technical Development Establishment Laboratory, P.B. No 320, Kanpur Perm. — Vill. Ashutia, P.O. Kajlagarh, Distt. Midnapore.	Sr. Scientific Assistant	R-G.
5812	Beri, Ram Mitra	1926	B.Sc. Hons. (Punjab—'45) M.Sc. (Punjab—'47)	4 years research work on plant products particularly carbohydrates, gums, mucilages & pectins; published papers on these subjects.	Pres — Chem. of Forest Products Branch, Forest Research Inst. & Colleges, New Forest, Dehra Dun. Perm — Do.	Research Asstt.	R-G.
5813	Bhandari, Mohanraj.	1930	B.Sc. (Rajputana—'50) M.Sc. (Rajputana—'52)	...	Pres.— S/o R.S. Sampat Rajji, Jatabas, Jodhpur Perm — Do.	...	Un
5814	Bhargava Prakash Prem	1925	B.Sc. (Agra—'44) M.Sc. (Agra—'46)	Since 1946 working on the utilisation of forest waste products.	Pres.— Jiwaji Industrial Research Laboratory, Gwalior Perm.— Do.	Research Chemist	R-G.
5815	Bhasin, Maharaaja Mal	1926	B.Sc. Hons. (Punjab—'48) M.Sc. (Punjab—'50)	Worked for 3 years in research on fats and oils especially the analytical aspect of it, published papers on the same	Pres.— Dept. of Chem., University of Delhi, Delhi. Perm — C/o M/s Munshi Ram Kesar Mal, Dabri Mandi, Gwalior.	Jr. Tech. Asstt. (Vegetable Oils Committee, C.S.I.R.)	Scientific editing & publication
5816	Bhatana, Chhotalal Tribhuvan Das.	1928	B.Sc. (Bombay—'48) M.Sc. (Bombay—'51)	...	Pres.— R.R.C. Hotel, Palm View, Dadar, Bombay 14. Perm.— Do.	...	Un.
5817	Bhatia, Parasotam Lal.	1926	B.Sc. (Agra—'45) M.Sc. (Agra—'47)	5 years teaching work	Pres — Meerut College, Meerut Perm — 8A, Jawaher Lal Quarters, Begum Bridge, Meerut	Lecturer in Chemistry	T-NG.
5818	Bhatia, Ved Vyas.	1929	B.Sc. Hons. (Punjab—'50) M.Sc. (Punjab—'52)	...	Pres — 3A/77, W.E.A., Karol Bagh, Delhi 5. Perm.— Do.	..	Un
5819	Bhatkhade, Abaji Hanmant	1916	M.Sc. (Bombay—'52)	Engaged in analytical work. Published papers on the reduction of substituted malonates and dipole moments and molecular structure.	Pres — 631/40, Sadashiv, Madivala Colony, Poona 2 Perm.— At & P.O. Savantwadi, Distt. Ratnagiri.	Jr. Scientific Asstt (Gr. II)	STO-G.
5820	Bhatnagar, Raghunath Sarup.	1928	M.Sc. (Agra—'52)	...	Pres — Chem. Dept., G.M.N. College, Ambala Cantt Perm — 1417, Kayasth Majri, Ambala City.	Lecturer in Chemistry	T-NG.
5821	Bhatt, Om Prakash.	1926	B.Sc. (Agra—'47) M.Sc. (Agra—'49)	4 years teaching work	Pres.— D.A.V. College, Dehra Dun Perm — Vill. Pali, P.O. Dalchaunta, Garhwal	Lecturer in Chemistry	T-NG

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5822	Bhatt, Prem Narayan	1929	B.Sc. Hons. (Delhi—'50) M.Sc. (Delhi—'52)	...	Pres.—C/o Dr. N.D. Vyas, Divn. of Chem., I A R.I., New Delhi Perm.— S/o Late Shri Ram Narayanji Bhatt, Gawali Mohalla, Than- dia	...	Un.
5823	Bhattacharya, Sujit Kumar.	1927	B.Sc. (Allahabad—'48) M.Sc. spl Drugs & Dyes. (Allahabad—'50)	...	Pres.—Victoria College, Cooch-Behar Perm.—O/o Sri Shantimoy Bhattacharya, 81/8, Harish Chatterjee Street, Calcutta 25	Lecturer in Chemistry	T-G.
5824	Bhattacharyya, Amal Kanti.	1928	B.Sc. Hons. (Dacca—'48) M.Sc. (Calcutta—'51)	...	Pres.— 592, G T Road, P O Purampore, Sirish- tola, Distt Hooghly. Perm — Do	...	Un.
5825	Bhowmick, Jyotiranjan	1927	B.Sc. Hons. (Dacca—'48) M.Sc. Org. & Biochem. (Dacca—'49)	...	Pres.— Siliguri College, Siliguri Perm — 10/2, Kayatala Lane, Calcutta 29	Professor	T-
5826	Bokadia, Mishri Mal.	1922	B.Sc. (Agra—'45) M.Sc. (Agra—'47) F.I.C.S.	Since 1947 doing teach- ing work, published papers pertaining to organic synthesis	Pres.—B R College, Agra. Perm — Multhan, Distt Dhar	Asstt Prof. of Chemistry.	T-NG.
5827	Bose, Ajay Kumar.	1925	B.Sc. (Allahabad—'44) M.Sc. (Allahabad—'46) Sc.D. Org. Chem. (Massachusetts, U.S.A.—'50) F.I.C.S	Teaching and guiding research to degree & postgraduate students, published papers on organic chemistry & chemical technology	Pres.—Applied Chemistry Dept., Indian Inst. of Technology, Kharagpur. Perm.— Do.	Lecturer	TR-G.
5828	Bose, Amalendu	1919	M.Sc. (Calcutta—'40) M.Sc. spl High Polymers (Brooklyn—'49) A.R.I.C. (London) B.L. (Calcutta—'62)	Trade marks and patent laws	Pres.— 27A, Justice Chandramadhab Road, Calcutta 20 Perm.— Do.	Examiner of Patents.	STO-G
5829	Bose, Anil Kumar	1921	B.Sc. (Lucknow—'48) M.Sc. (Lucknow—'45)	8 years research experi- ence on drugs, publish- ed papers on the chemi- cal examination of the seeds of babchi (psoralea corylifolia) and on rosin acids Since 1947 engaged in scientific journalism and documentation.	Pres.—Publications Divi- sion, C.S.I.R., Old Mill Road, New Delhi. Perm.— 58, Gwynne Road, Lucknow	Sr Tech Asstt.	Scientific editing & publica- tion.
5830	Bose, Arun Kumar.	1923	B.Sc. Hons. (Calcutta—'41) M.Sc. (Calcutta—'44) F.I.C.S.	Engaged in teaching up- to B.Sc. Hons. classes.	Pres.— Science College, Calcutta. Perm.—11/6A, Ultadangi Road, Shambazar, Cal- cutta 4.	Professor of Chemistry.	T-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5831	Bose, Jogendra Lal.	1915	B.Sc. Hons (Calcutta—'36) M.Sc. (Calcutta—'38)	Since 1941 working on problems relating to the chemistry of plant products and synthetic organic compounds Published several papers on the same.	Pres.—National Chemical Laboratory, Poona 7.	Jr. Scientific Officer.	R-SG.
5832	Bose, Mukul Kumar.	1911	B.Sc (Calcutta—'30) M.Sc. (Calcutta—'32) D.Phil. (Calcutta—'51) F.I.C.S. Received training in the production of metals & alloys. (U.K.)	Analysis, purification and production of metals & alloys, published papers on the analysis of metals and synthetic drugs.	Pres.—Assay Office, I.G. Mint, Bombay. Perm.—3/2, Shyam Bose Road, Calcutta 27.	Supdt	STO-G.
5833	Bose, Sushil Kumar.	1927	B.Sc. (Agra—'47) M.Sc. (Agra—'51) Training in oil milling (H.B.T.I., Kanpur)	Doing research on citric acid fermentation.	Pres.— Indian Institute of Sugar Technology, Kanpur. Perm.—'Ananta Nivas', 8/63, Aryanagar, Kanpur	Research Scholar	R-S.
5834	Chadha, Rajendra Nath.	1930	M.Sc (Lucknow—'58)	...	Pres.—Roberts Barrack No. 72, Q. No 3, Jubulpore Cantt. Perm.—Champa Villas, Arya Nagar, Lucknow.	..	Un.
5835	Chakrabarty, Niranjan	1915	B.Sc Hons. (Calcutta—'36) M.Sc. (Calcutta—'38)	...	Pres.—Burimem Kuthi, Bulasore Perm.—Gauhati	Sr. Scientific Assistant.	...
5836	Chakravarti, Dukhkhaharan.	1908	B.Sc Hons. (Calcutta—'24) M.Sc. (Calcutta—'26) D.Sc. (Calcutta—'34) F.N.I. (India)	Since 1933 doing teaching work, published a number of papers relating to synthetic & natural products.	Pres.—Calcutta University, Calcutta. Perm.—28/3, Sahanager Road, P.O. Kalighat, Calcutta 26	Secretary, Council of Postgraduate Teaching in Science & Hon. Lecturer in Chem.	TR-SG
5837	Chakravarty, Nirmal Kumar.	1915	M.Sc (Calcutta—'38) F.I.C.S.	Over 11 years work on investigation, research & development of lubricants, fuels & allied products. Published papers on thiophene derivatives	Pres.—T.D.E. Labs, P.O. Box 320, Kanpur Perm.— Do.	Jr. Scientific Officer.	STO-G
5838	Chakraverty, Bibhuti	1909	M.Sc. (Calcutta - '38)	Worked for 20 years on industrial fermentation & distillation and on the manufacture of pharmaceutical drugs.	Pres.—Raj College, P.O. Jharia Perm.— Kokar, P.O. Ranchi	Professor of Chemistry.	T-
5839	Chakravorty, Dilip Kumar.	1930	B.Sc. Hons. (Delhi—'49) M.Sc. (Delhi—'51)	...	Pres.—Barasat Govt College, P.O. Barasat, 24 Parganas Perm.—O/o M.K Chakravorty, Allen Berry & Co. Ltd., 92, Station Road, Lucknow	Lecturer in Chemistry.	T-(7).

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5840	Chanda, Nikhil Bhushan.	1921	M.Sc. (Dacca—'46) Ph.D. (Edin.—'52)	Researches on sugars & polysaccharides.	Perm.— 50/6A, Harish Mukherjee Road, Calcutta 25.	Research Fellow.	R-F.
5841	Chandrasekaran, Palaniappa Subramania.	1930	B.Sc. Hons. (Madras) M.A. Org. Chem. (Madras—'62)	...	Pres.—P.S.G. College of Technology, Coimbatore. Perm.—C/o P. Rajagopala Chettiar, 88, First Agraharam, Salem.	Demonstrator in Chemistry.	T-NG.
5842	Chatterjee, Dharendra Nath.	...	B.Sc. Hons (Calcutta—'48) M.Sc. (Calcutta—'45)	For the last 6 years teaching chemistry to undergraduate & degree classes	Pres.—Krishnagar College, P.O. Krishnagar, Distt. Nadia. Perm.—Vill. Kalyanpur, P.O. Andi, Distt. Nadia	Lecturer in Chemistry.	T-
5843	Chatterjee, Nripendra Nath.	1907	D.Sc. (Calcutta)	Published a number of papers concerning organic chemistry subjects, e.g. studies in diphenyl series, spiro compounds, synthesis of keto-acids, etc. At present engaged in supervising the work of Examiners of Patents	Pres.—The Patent Office, 214, Lower Circular Road, Calcutta 17. Perm.—Do.	Examiner of Patents-in-Charge	STO-G.
5844	Chatterjee, Ramani Kanta	1913	M.Sc. (Allahabad—'36)	Since 1997 engaged in inspection and development of explosives and allied stores	Pres.—Technical Development Establishment, Military Explosives, Kirkee, Poona 3 Perm.—No. 10, Napier Town, Jubbulpore.	Jr. Scientific Officer.	STO-G.
5845	Chatterji, Suprobandhu.	1924	M.Sc. (Calcutta—'47)	Knowledge of hormones and related compounds besides doing teaching work since 1948.	Pres.—City College, Calcutta Perm.—36, Ritchie Road, Calcutta 19.	Lecturer.	TR-NG.
5846	Chaturvedi, Yogesh Chandra.	1924	B.Sc. (Agra—'44) M.Sc. (Agra—'46)	Since 1946 engaged in teaching work besides working on synthetic perfumes.	Pres.—Victorin College, Lashkar, Gwalior Perm.—Lalaka Bazar, Lashkar, Gwalior.	Lecturer in Chemistry.	T-G.
5847	Chaudhry, Jitendra Singh.	1927	M.Sc. (Agra—'49)	8 years teaching work.	Pres.—D.A.V. College, Dehra Dun Perm.—Mohalla Chaudhriyan, Bijnor.	Lecturer in Chemistry.	T-NG
5848	Chauhan, Ravindra Nath Singh		M.Sc. (Allahabad—'47) D.Phil. (Allahabad—'50)	Working on essential oils.	Pres.—276A, Katra, Allahabad Perm.—Vill. Sultanpur, P.O. Patara, District Mainpuri.	...	R-S.
5849	Cheema, Avtar Singh	1926	M.Sc. (Punjab—'50)	Advising to the factories on plywood, wood adhesives & preservatives.	Pres.—Plywood Inspectorate, Govt. of India, 4, Esplanade East, Calcutta. Perm.—Vill. & P.O. Jundla, Distt. Karnal.	Junior Field Officer.	STO-G

## ORGANIC CHEMISTRY—Contd.

S. No. St.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5850	Ohojer, Tej Narain.	1929	B Sc. (Agra—'49) M Sc. (Agra—'51)	...	Pres.— Allahabad Uni-versity, Allahabad Perm.—C/o Shree Pratap Narain, 142, Civil Lines, Bareilly.	Research Scho-lar.	R-S.
5851	Chokshi, Kanayalal Narottamdas.	1907	B Sc (1930) M Sc (1934) B.T. (1938)	...	Pres.— J. & J. College of Science, Nadiad. Perm.— Mehta Pole, Baroda	Prof. of Chem.	T-
5852	Choudhury, Anima.	1930	B Sc. Hons (Calcutta—'49) M Sc (Calcutta—'51)	...	Pres.— 27/1, Choudhury Lane, Calcutta 4. Perm.— Do.	...	R-
5853	Damodar Prasad.	1903	B Sc. (Patna—'25) M Sc. (Patna—'32)	Teaching work upto B Sc. classes, contributed papers on synthetic dyes.	Pres — Chem Dept., Langat Singh College, Muzaffarpur. Perm — Khabra Road, Muzaffarpur.	Lab. Asstt	T-NG
5854	Dastane, Sadashiv Dhondo.	1908	B Sc (Bombay—'29) M Sc. (Bombay—'39)	For 10 years worked in the teaching line.	Pres.— 845/3, Shivaji Nagar, Ghare Quarters, Poona 4 Perm —C/o Dastane Bros. Home Service Ltd., Publishers, 456, Ravivar, Poona 2	...	Un.
5855	Datta, Dilip Kumar.	1924	B Sc. (Calcutta—'44) M Sc. (Calcutta—'47) F I C S	Published papers on plant chemistry and organic synthesis	Pres —City College, Cal-cutta Perm.—13, Madhab Lane, Calcutta 25	Lecturer.	TR-NG.
5856	Datta, Sachindra Kumar	1925	B Sc. Hons (Dacca—'46) M Sc. (Dacca—'47) A.M.I.E.T. spl. Metallurgy	Since 1948 doing teach-ing work, published papers on cellulose chemistry and organo-mercury compounds.	Pres.— Darjeeling Govt College, P O Darjeeling Perm.— New Colony, Morpukur, P O Rishra, Distt. Hooghly	Lecturer in Chemistry.	T-G.
5857	Datta Gupta, Bhupendra Kumar	1915	B Sc. Hons. (Calcutta—'35) M.Sc (Calcutta—'38)	Inspection and development of rubber and plastic stores for ammu-nition.	Pres — T.D.E (M.E), Kirkee, Poona 3. Perm — 107/2, Wellback Street, Range Hills, Kirkee, Poona 3	Jr. Scientific Assistant	STO-I.
5858	Deliwala, Chimansal Vadilal.	1916	B Sc (Bombay—'38) M Sc. Org. Chem. (Bombay—'41) Ph D. Org. Chem. (Bombay—'48)	Carrying out research work in the field of chemotherapy of bac-terial infections. Publish-ed papers on synthetic organic chemistry	Pres — Dept of Chemo-therapy, Haffkine Inst., Parel, Bombay 12. Perm — 19, Mugai Mahal, Jame Jamshed Road, Matunga, Bombay.	Sr. Chemist	R-G.
5859	Deorha, Daleep Singh.	1926	B.Sc (Agra—'47) M.Sc. (Agra—'49) F.I.O.S	Since 1949 doing teach-ing work.	Pres.— Chem Dept., Meerut College, Meerut. Perm.— S/o Shri Rikhi Singh Deorha, Advo-cate, Bijnor.	Lecturer.	T-NG
5860	Deshpande, Rajaram Viuayak.	1928	B.Sc. (Bombay—'48) M.Sc. (Bombay—'50)	5 years teaching work.	Pres.—N Wadia College, Poona. Perm.— 102, Rasta Peth, Poona 2.	Demonstrator	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5861	Dhand, Kedar Nath.	1925	B.Sc. Hons. (Punjab—'48) M.Sc. (Punjab—'49)	4 years teaching work.	Pres.— Doaba College, Jullundur City. Perm.—O/o M/a Siri Ram Baij Nath, Jagraon Mandi, Distt. Ludhiana.	Lecturer in Chemistry.	T-NG.
5862	Dhar, Prasun Kumar.	1930	B.Sc. (Agra—'48) M.Sc. (Agra—'52)	Worked for 2 years in the teaching profession.	Pres.— 17/84, Nawab Saheb's Hata, Ram Narayan Bazar, Kan- pur. Perm.— Do.	...	Un.
5863	Dhawan, Vaidev.	1930	B.Sc. (Agra—'49) M.Sc. (Agra—'52)	...	Pres.— New Custom House, Bombay 1 Perm.—39, Wilson Square, New Delhi 1.	Chemical Asstt.	STO-G.
5864	Dhekne, Vasant Vinayak.	1921	B.Sc. (Bombay—'44) M.Sc. (Bombay—'51) F.I.C.S.	Worked for 6 years in the teaching line, now engaged in testing of high explosives.	Pres.— T.D.E. (M.E.), Kirkee, Poona 3 Perm—1411, Kasba Peth, Poona 2.	J.S.A. (High Explosives)	STO-G.
5865	Dubey, Satendra Prakash.	1930	B.Sc. (Lucknow—'49) M.Sc. (Lucknow—'51)	Since 1951 engaged in teaching work.	Pres.—Govt. Raza Degree College, Rampur. Perm—P.O. Shahabad, Rampur.	Lecturer in Chemistry.	T-G.
5866	Ghosh, Ranjit Prasad.	1917	B.Sc. Hons (Calcutta —'37) M.Sc. (Calcutta—'43) F.I.C.S	Doing research work in the synthetic drugs and supervising the production thereof.	Pres.— M/s Union Drug Co. Ltd., Calcutta. Perm.—8, Ramesh Mitter Road, Calcutta 25.	Research Chemist & Supervisor.	R-NG.
5867	Ghosh, Saralnath.	1919	M.Sc. (Calcutta—'41)	For the last 11 years doing analysis of drugs, oils, chemicals, etc.	Pres.—Analytical Lab., B.C.P.W. Ltd., Calcutta 11. Perm.—10, Kali Charn Seth Lane, Calcutta 30.	Chemist.	STO-I.
5868	Ghosh, Sudhamoy.	1890	M.Sc. (Calcutta—'12) D.Sc. Org. Chem. (Edin.—'15) F.R.I.C. (London) F.N.I. (India)	25 years research work on Indian medicinal plants besides teaching experience for the same period. Published sev- eral papers mainly on the chemistry of medicinal plants of India and books e.g. 'Organic & Toxicological Chemistry', 'The Chemical In- vestigation of Plants', 'The Poisonous Plants of India', etc.	Pres.—15, Justice Chun- der Madhab Road, Cal- cutta 20.	...	Retd.
5869	Goswami, Bhawani Puri.	1925	M.Sc. (Agra—'46) F.I.C.S.	Since 1946 doing teach- ing work	Pres.—Jaswant College, Jodhpur. Perm—28, Mohanpura, Jodhpur.	Asstt. Prof. of Chemistry.	T-G.
5870	Goswami, Jadava- nanda.	1905	B.Sc. Hons (Dacca —'26) M.Sc. (Dacca—'28)	...	Pres.— Kalna College, Kalna, Burdwan. Perm.—Jogipara, Kalna, Burdwan.	Prof. of Chem.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5871	Grewal, Gurhordial Singh.	1928	B.Sc. (Punjab—'48) B.Sc. Hons. (Punjab—'50) M.Sc. spl. Essential oils. (Punjab—'52)	...	Pres.—5/44, Ajmal Khan Road, W.E Area, Karol Bagh, Delhi. Perm.—S/o S. Jagir Singh, Advocate, Near Clock Tower, Ludhiana.	...	Un.
5872	Guha, Ajoy Kumar.	1926	B.Sc. Hons. (Dacca—'48) M.Sc. (Dacca—'50)	...	Pres.—C/o Pashupati Adhikary, Duhani, Opp. Mission (S.P.), Duruka, Bihar.	...	Un.
5873	Guha, Aswini Kumar	1898	B.Sc. Hons. (Calcutta—'21) M.Sc. (Dacca—'23)	Since 1923 engaged in teaching work.	Pres.—Raj College, Burdwan. Perm.—Chhatnelpur, Ballydanga Colony, Plot No. 89, Burdwan	Prof. of Chem.	T-G.
5874	Gulati, Chand Khushal	1908	B.Sc. Hons. (Punjab—'30) M.Sc. (Punjab—'31) Ph.D (Punjab—'42)	Worked for a number of years in turpentine industry and quite conversant with the chemistry of terpenes with special reference to Indian rosin & turpentine industry. At present working on problems having bearing upon agricultural chemicals particularly pesticides. Published papers concerning the chemistry of gamma pyrones, oils, fats and terpenes	Pres.—Indian Agricultural Research Institute, New Delhi 12. Perm.—36, Joshi Road, Karol Bagh, Delhi 5.	Organic Chemist	TR-G.
5875	Gupta, Gauri Shankar.	1922	B.Sc. (Delhi—'41) M.Sc. (Agra—'49)	Since 1944 engaged in editing, printing and distribution of technical literature and compilation of abstracts & bibliographies on engineering subjects.	Pres.—M.G.O Branch, Army H.Q., New Delhi. Perm.—C/o Lloyds Bank Ltd., New Delhi	Jr. Scientific Officer.	Scientific editing & publication.
5876	Gupta, Nem Prakash	1925	B.Sc. (Agra—'47) M.Sc. (Rajputana—'50)	...	Pres.—New Custom House, Bombay 1. Perm.—Vill & P.O. Sisauli, Distt. Muzaffarnagar.	Chemical Ass't.	STO-G.
5877	Gupta, Santosh Kumar.	1928	B.Sc. (Agra—'47) M.Sc. (Lucknow—'50) Short course in oil chem. & tech. (H.B.T.I., Kanpur—'51)	Analysis of oils & seeds.	Pres.—The Bhagat Oil Mills, 32/4, Sabitva Parishad Street, Calcutta 6 Perm.—28B, New Mandi, Muzaffarnagar.	Chemist.	STO-I.
5878	Gupta, Shri Ram.	1928	B.Sc. Hons. (Delhi—'48) M.Sc. (Delhi—'50)	...	Pres.—Delhi University, Delhi Perm.—9881, Chailpuri Street, Kinauli Bazar, Delhi.	Lecturer in Chemistry	TR-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5879	Ishwar Dass.	1933	B.Sc. Hons. (Delhi—'50) M.Sc. (Delhi—'52)	Doing research on synthesis of kelin.	Pres.—Chemistry Dept., Delhi University, Delhi. Perm—80-C, Baird Road, New Delhi.	Jr. Research Assistant.	R-S.
5880	Ittyerah, P.I.	1918	B.A. Chem. (Madras—'37) M.Sc. (Agra—'39) Ph.D. Org. Chem. (Agra—'42) F.I.C.S.	Engaged in teaching to inter, B.Sc. & M.Sc. classes and guiding research of Ph.D. students. Published several papers concerning synthetic organic chemistry.	Pres.—St. John's College, Agra. Perm—Puthupparambil House, Mavelikara, Travancore.	Prof. of Org. Chem. & Head of Chemistry Dept.	TR-NG.
5881	Iyengar, Jagannath Rangaswamy	1899	B.Sc. Hons. (Bombay—'49) A.I.I.Sc. (Bangalore—'51) F.I.C.S.	Doing research in drug chemistry.	Pres.—Org. Chem. Dept., Indian Institute of Science, Bangalore 3.	Research Scholar	R-S.
5882	Iyer, G. Yegna Narayana	...	B.Sc. (Travancore—'49) M.Sc. (Travancore—'51)	Teaching organic & biochemistry to M.B.B.S students.	Pres.—Medical College, Trivandrum. Perm—Kandathu Mandom, Karoon, Ambalapuzha.	Lecturer in Org. Chem.	T-G.
5883	Jain, Amolak Chand.	1928	B.Sc. Hons. (Delhi—'48) M.Sc. (Delhi—'50)	...	Pres.—University of Delhi, Delhi. Perm—E-69, Kamalanagar, Subzimandi, Delhi.	Lecturer in Chemistry.	TR-SG.
5884	Jain, Khushal Chand.	1922	M.Sc. (Agra—'45)	8 years teaching work.	Pres.—College of Science, Raipur. Perm.—Hatta, Distt. Saugor.	Lecturer in Chemistry.	T-G.
5885	Joseph, Nadunthalay Ittyerah.	1898	A.I.I.Sc. (Bangalore—'29) M.A. (Madras—'30)	28 years experience of teaching chemistry. Contributed a paper on iodine contents of Indian sea weeds and west coast vegetable oils	Pres.—Dept. of Chem., The University College, University Road, Trivandrum. Perm—Maliekal House, North Parur, Travancore	Prof. of Chem.	TR-SG.
5886	Joshi, Bhuvan Chandra	1930	B.Sc. (Agra—'49) M.Sc. (Agra—'51)	...	Pres.—D.A.V. College, Dehra Dun. Perm—Laxmi Niwas, P.O. Majra, Dehra Dun.	Lecturer in Chemistry.	T-NG.
5887	Joshi, Ghanshyam Gaurishanker.	1924	B.Sc. Hons. (Bombay—'46) M.Sc. (Bombay—'49)	...	Pres.—23, Saurashtra Society, Ellis Bridge, Ahmedabad 7.	Research Scholar	R-S
5888	Kanga, Darab Dinsha	1879	M.A. Chem. (Bombay—'04) A.I.I.Sc. Plant Products. (Bangalore—'14) A.R.I.C. Org. Chem. (London—'19) F.I.C.S. F.A.Sc. (India)	Varied experience since 1904 including teaching analytical work, and scientific journalism. Contributed publications on active principles from indigenous drugs	Pres.—Chem. & Phy. Science Section, Bombay University Journal, Bombay Perm.—The Theosophical Society, Adyar, Madras 20.	Editor-in-Chief & Managing Editor.	Scientific editing & publication.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5889	Karve, Dhondo. Dinakar	1899	B.Sc. (Bombay—'19) A.I.I.Sc. (Bangalore —'21) M.Sc. (Bombay—'22) Dr.Phil. (Leipzig—'24) F.A.Sc. (India)	Since 1925 engaged in teaching work, specializa- tion in organic chemis- try with special reference to its physical aspects. Published scientific articles and text books in organic chemistry.	Pres.—Fergusson College, Poona 4 Perm — Law College Road, Poona 4	Principal & Prof of Che- mistry.	T-SG.
5890	Kaul, D.N.	1924	B.Sc. (Punjab—'46) M.Sc. (Aligarh—'52)	...	Pres.—C/o P.O. Box No. 994, Kanpur. Perm.—Karafali Mohalla, Srinagar.	Analytical Chemist	STO-G.
5891	Kaul, Moti Lal.	1929	B.Sc. (Kashmir—'49) M.Sc. (Aligarh—'52)	...	Pres.— C/o Shri D.N. Kaul, Gupta Buildings, Near Jai Hind Cinema Hall, Kanpur Perm —C/o Kashi Nath Kaul, Shalla Kadal Bridge, Srinagar, Kash- mir.	...	Un.
5892	Keskar, Yeshwant. Achyut	1919	B.Sc. (Bombay—'40) M.Sc. (Bombay—'46)	Published papers concern- ing synthesis of organic compounds and anti- leprosy drugs.	Pres.— Dharmendra- singhji Arts College & Kotak Institute of Science, Rajkot Perm — Brahma Ali, Kasba Peth, Phaltan	Lecturer in Chemistry.	T-G.
5893	Kidwai, Akhlaq R.	1920	B.A (Delhi—'40) M.S. (Illinois—'47) Ph.D. (Cornell—'50)	Specialised in organic synthesis, research done on antibiotics, amino- acids, steroids and drugs; published papers on organic synthesis and biochemistry of aminoacids	Pres.—Dept. of Chemistry, Aligarh University, Aligarh. Perm —P.O. Baragaon, Distt. Barabanki.	Reader in Chemistry	TR-SG.
5894	Kohli, Mokand Lal	1911	B.Sc. (Punjab—34) M.Sc. (Lucknow—'37)	14 years work of teaching to inter and degree classes, specialisation in soap manufacture.	Pres.— G.G.M. College, Jammu. Perm.— Do.	Professor of Chemistry	T-G.
5895	Krishnamurthy, Aspari.	1912	M.Sc. (Banaras—'35)	Worked for about 7 years on research problems related to enzymes, carbohydrates, proteins, industrial fermenta- tions, glues & adhesives and about 5 years in various industries such as paper, plywood and rubber. Published papers on malting of cereals, enzymes, adhesives for plywood and antibiotics. At present en- gaged in editorial work with the J.S.I.R.	Pres.—Journal of Sci- entific & Industrial Re- search, C S I R., Old Mill Road, New Delhi. Perm.— No. 2, XVII Cross Road, Malles- waram, Bangalore	Asstt. Editor.	Scientific editing & publi- cation.

## ORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5896	Krishnamurti, M.	1928	B.Sc. (Madras—'47) B.Sc. Hons. (Delhi— '48) M.Sc. (Delhi—'50)	Since 1950 doing teaching work, published papers concerning synthesis of organic compounds.	Pres.— University of Delhi, Delhi 8. Perm.—VIII, Kandamangalam, P.O. Tirukattupalli, Distt. Tanjore.	Lecturer in Chemistry.	TR-SG.
5897	Kulkarni, Kashinath Dattatraya.	1916	M.Sc. (Bombay—'44)	Manufacture of sulpha drugs.	Pres.—Haffkine Institute, Patel, Bombay. Perm.— Do.	Sr. Chemist.	STO-G.
5898	Kumaraswamy, O.N.	1899	B.Sc. (Mysore—'21) M.Sc. (Mysore—'35)	Over 30 years teaching experience.	Pres.—Intermediate College, Chikmagalur. Perm.— Do.	Supdt.	T-G.
5899	Malhotra, Om Prakash.	1929	B.Sc. Hons. (Punjab— '49) M.Sc. (Punjab—'51) F.I.O.S.	...	Pres.—College of Science, Banaras 5. Perm.—C.18/161, Aurangabad, Banaras	Lecturer in Chemistry.	TR-SG.
5900	Malik, Amar Singh.	1900	B.Sc. Hons. (Punjab— '29) M.Sc. (Punjab—'24)	Over 25 years experience of teaching work.	Pres.— Govt. College, Rohtak. Perm.— Do.	Lecturer & Head of Chem. Dept.	T-G.
5901	Malik, Raghunath Rai.	1898	B.Sc. Hons. (Punjab— '18) M.Sc. (Punjab—'21)	Extensive teaching experience, published papers on optically active dyes and relation between absorption spectra & chemical constitution.	Pres.— Govt. College, Tauda-Urmor, District Hoshiarpur.	Principal.	TR-G.
5902	Mandal, Dasrath.	1927	B.Sc. Hons. (Patna— '49) M.Sc. (Patna—'51)	...	Pres.—Science College, Patna 5. Perm.— Vill. Harnath Chak, P.O. Mukundpur, Distt. Bhagalpur.	Lecturer in Chemistry.	TR-G.
5903	Manjunath, Basavalingiah Lingiah.	1901	B.A. Chem. (Madras— '21) M.Sc. (London—'23) D.Phil. Org. Chem. (Oxford—'26)	Worked for 16 years as Professor of Organic Chemistry and 6 years as Chief Editor, Dictionary of Economic Products & Industrial Resources of India. Specialization in scientific and educational administration. Published several papers mainly on the chemical examination of fixed oils and seeds.	Pres.— University of Mysore, Mysore. Perm.—C/o The Bank of Mysore, Mysore.	Vice-Chancellor	STA-G.
5904	Marathe, Vitthal Narayan.	1921	B.Sc. (Bombay—'45) M.Sc. (Bombay—'49)	Since 1949 engaged in analytical work.	Pres.—The Custom Labs., New Custom House, Bombay 1. Perm.—C/o D.S. Marathe, Marathe Niwas, Ramnagar, P.O. Dombivali, Distt. Thane, Bombay State.	Chem. Ass't.	STO-G.

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S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5905	Marathay, Madhav Gajanan.	1926	B.Sc. (Bombay—'46) M.Sc. (Bombay—'49) Ph.D. (Poona—'57)	Doing research in the chemistry of benzopyrone series and synthesis of flavones & flavonols. Contributed notes and papers on the above problems.	Pres.— Dept. of Chem., University of Poona, Poona. Perm.— C/o Dr. G.S. Marathay, 427, Shanwar Peth, Poona 2.	Sr. Research Scholar.	R-S.
5906	Mathan Jacob, M.	1931	B.Sc. Hons. (Madras—'51) M.Sc. (Madras—'52)	...	Pres.— 118, Singannachetty Street, Chintadripet, Madras 2. Perm.— Do.	...	Un.
5907	Matharu, Jaswant Singh.	1926	B.Sc. (Punjab—'44) B.Sc. Hons. (Punjab—'49) M.Sc. (Punjab—'50)	Manufacture & use of adhesives like casein, glues, etc. At present engaged on the inspection & development of plywood industry.	Pres.— Plywood Inspectorate, Tiruvannur Road, Kozhikode 3 Perm — 282, Lakshmi-pura, Jullundur City.	Jr. Field Officer.	STO-G.
5908	Mathew, T.V	1929	B.Sc. (Madras—'49) M.Sc. (Agra—'51)	Soap analysis, refining of oils and manufacture of vanaspati.	Pres — C/o Shri P.G. Zachariah, Dy. Secretary to the Govt. of India, Ministry of Rehabilitation, New Delhi. Perm.— Thekkedathu, Thumpamon, U.S.T.C.	...	Un.
5909	Mathur, Prasad	1931	B.Sc. (Agra—'49) M.Sc. (Agra—'51)	Working on the structure of plant gums, published papers.	Pres. - Organic Research Laboratory, Indian Inst of Sugar Tech., Kanpur. Perm.— C/o Shree S.P. Mathur, 193/4, Delhi Road, Meerut Cantt	Research Scholar.	R-S.
5910	Mediratta, Ascharj Lal.	1929	M.Sc. (Agra)	...	Pres.— 1820, Hathai, Nai Mandi, Agra. Perm.— Do	...	Un.
5911	Mehta, Chhaganlal Motiram.	1907	B.Sc. (Bombay—'32) M.Sc. (Bombay—'35) Ph.D. (Bombay—'36) A.R.I.O. (London—'51)	Since 1932 working in teaching line, teaching organic & inorganic chemistry to undergraduate and organic chemistry to postgraduate students, published papers.	Pres.— Faculty of Science, M.S. University of Baroda, Baroda. Perm.— Maroli, via Maroli Bazar, District Surat.	Sr. Lecturer in Chem.	T-SG
5912	Menon, Kottimath Narayana.	1900	B.Sc. (Bombay—'28) M.Sc. (Bombay—'28) A.I.I.Sc. (Bangalore—'28) Ph.D. (London—'32) A.R.I.C. (London—'39) F.C.S. (London) F.A.Sc. (India)	Researches on fixed oils, essential oils & alkaloids and manufacture of spirituous preparations besides extensive experience in teaching, organisation & guidance of research. Published a number of papers on alkaloids, oils, terpenes and synthetic heterocyclic compounds.	Pres.— University of Madras, Chepauk, Madras 5 Perm.— Panthiyil House, Warriam Road, Ernakulam.	Prof. of Org. Chemistry.	TR-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5913	Merchant, Jaysukhlal Ranchoddas.	1922	B.Sc. Hons. (Bombay—'44) M.Sc. (Bombay—'47) Ph.D. Org. Chem. (Bombay—'50) D.Sc Tech. spl. Org. Chem. (Zurich—'53) A.R.I.C.O. (London)	Research work in organic chemistry with special reference to alkaloids.	Pres.— 983, Shri Nivas, Sandhurst Road, Bombay 4. Perm.— Do.	...	Un.
5914	Misra, Anand Lal.	1928	B.Sc. (Allahabad—'46) M.Sc. (Allahabad—'48) D.Phil. (Allahabad—'60)	Doing research on the 'Studies on thiamin analogues and substitutes, published papers.	Pres.— 79C, University Road, The New Hotel, Allahabad. Perm.— C/o S.L. Misra, 74/129, Dhankutty, Kanpur.	Research Asstt	R-G.
5915	Mitra, Chittaranjan.	1916	B.Sc. (Calcutta—'35) M.Sc. (Dacca—'37) F.I.C.S	Engaged on researches and utilization of indigenous plant products, pharmaceuticals of natural origin, etc. Published papers and taken patents.	Pres.— National Chemical Laboratory, Poona 8 Perm — Do.	Jr. Scientific Officer.	R-SG.
5916	Mittal, Om Parkash.	1932	B.Sc. Hons. (Delhi—'50) M.Sc. (Delhi—'59)	Doing research in plant products	Pres.—Chemistry Dept., Delhi University, Delhi. Perm.— 6, Raja Bazar Square, New Delhi.	Jr. Research Assistant.	R-S.
5917	Mukherjee, Debra-	1920	B.Sc. (Calcutta—'42) Cert. in Tanning. (Calcutta)	Doing research work in the manufacture of tannins from coal tar distillation products.	Pres.— 1/15, Rupchand Mukherjee Lane, Calcutta 25. Perm — Do.	Research Asstt (C.S.I.R.)	R-S.
5918	Mukherjee, Kalyan	1927	B.Sc. Hons. (Utkal—'48) M.Sc. (Utkal—'50)	Since 1950 engaged in the teaching line.	Pres.— Govt. College, P O Baripada, Distt. Mayurbhanj, Orissa. Perm — 26, Cantonment Road, Cuttack 1	Lecturer in Chemistry.	T-G.
5919	Mukherji, Santendra Mohan.	1915	B.Sc. Hons. (Calcutta—'35) M.Sc. (Calcutta—'37) D.Sc. (Calcutta—'44) Ph.D. Chem. Engg. (Birmingham—'48)	Teaching organic & industrial chemistry and guiding research of postgraduate students. Published a number of papers on terpenes, sesquiterpenes, resin acids, steroids, sex-hormones, polycyclic aromatic hydrocarbons, etc.	Pres.—Punjab University, Hoshiarpur. Perm.—5/F, Nebubagan Lane, Calcutta.	Prof. & Head of Chem. Dept.	TR-SG.
5920	Murty, V.V. Sree Rama.	1932	B.Sc. Hons. (Andhra—'49) M.Sc. Org. & Plant Chem. (Andhra—'46) D.Sc. Org. Chem. (Andhra—'49)	Micro-analysis of organic compounds and biochemical & nutritional studies, published a number of papers concerning these subjects.	Pres.—Delhi University, Delhi. Perm.— C/o P. Jagannatha Swamy, Jangam Street, Parlakimedi, Orissa	Lecturer in Chemistry.	TR-SG.

## ORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5921	Naide, Vasant Gangadharrao. (Capt.)	1912	B.Sc. (Nagpur—'37) M.Sc. (Nagpur—'39)	(i) Manufacture of pulp & paper (ii) planning manpower & statistics.	Pres.—Central Ammunition Depot, Pulgaon, M.P. Perm.—C/o A.L. Agate Esq., Popular Medical Stores, Lord Gunj, Jubbulpore	Planning Officer.	STO-G.
5922	Naik Kuverji Gosai.	1885	B.Sc. (Bombay—'07) M.A. Chem. (Bombay—'08) D.I.C. Chem. (London—'20) D.Sc. Org. Chem. (London—'21) F.R.I.C. (London) F.N.I. (India) F.I.C.S. F.O.S. (London)	From 1909-50 worked mostly as Professor of Chemistry at different colleges and from 1950 to-date engaged in organization of the academic and research side of the Gujarat University. Specialization in chemistry and its applications to industry; published several papers covering various fields in pure and applied chemistry.	Pres.—Gujarat University, Ahmedabad 9. Perm.—'Naik Villa', Pratapganj, P.O. Baroda Residency, Baroda.	Rector.	STA-SG.
5923	Naik, Paragji Hari-bhai.	1921	B.Sc. (Bombay—'42) M.Sc. (Bombay—'49)	4 years teaching work.	Pres.—S.B. Garda College, Navsari, W. Railway. Perm.— Ambada, via Navsari.	Lecturer in Chemistry.	T-NG.
5924	Nakhre, Sharad Kumar Waman.	1925	B.Sc. (Agra—'47) M.Sc. (Saugor—'49)	Since 1949 teaching chemistry to intermediate and degree classes.	Pres.—Raj Rishi College, Alwar. Perm.— Do.	Lecturer in Chemistry.	T-NG.
5925	Narasimhan, Ramanuja Iyengar.	...	B.Sc. (Banaras—'41) M.Sc. Cellulose & Colloid Chemistry. (McGill—'48)	Inspection of aircraft fabrication, explosives and ordnance stores.	Pres.— T.D.E. (ME), Khamaria, Jubbulpore 5. Perm.— 'Chamundi', Vani Vilas Mohalla Road, Mysore.	Asstt Supdt. of Development.	STO-G.
5926	Narayanan, B.T.	1901	B.A. (Madras—'22) Ph.D. Org. Chem. (London—'27) D.I.C. Org. Chem. (London—'27) D.Sc. Honoris Causa. (Bueno Ayres)	For 11 years worked as Biochemist in Agriculture Department, 6 years as Agriculture Chemist and 5 years as Dy. Director of Agriculture. At present engaged in execution of field work and programmes, direction of research and co-ordination of extension training. Specialization in the chemistry and physiology of soils and crops, published papers on chemical and biochemical problems.	Pres.—Dept. of Agriculture, Mysore. Perm.— 169/2, National High School Road, Visvesvarapuram, Bangalore.	Jt Director of Agriculture.	STA-G.
5927	Narayanan, R.	1930	B.Sc. Hons. (Delhi—'50) M.Sc. (Delhi—'52)	Carrying on investigations relating to insecticides, fungicides, pesticides, etc.	Pres.— D-1, Indian Agricultural Research Institute, New Delhi 12. Perm.— Do.	Research Scholar.	R-S.

## ORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5998	Narendra Singh.	1923	B.Sc. Agri. (Agra-'49) M.Sc. (Agra—'48)	7 years teaching work	Pres.—Chem. Dept., Agricultural Inst., Jobner, Jaipur. Perm.—Vill. Jiraulikalan, P.O. Sikandra Rao, Distt. Aligarh.	Sr. Lecturer in Chemistry.	T-G.
5999	Nath, Rajendra Lal.	1913	B.Sc. Hons (Calcutta) M.Sc. (Calcutta—'35) Ph.D. (London—'51) D.I.O (1951)	Since 1937 doing teaching work mainly in organic and biochemistry. Carried research in drug analysis, biochemical estimation of body fluids, extraction of natural products and in enzyme kinetics.	Pres.— Assam Medical College, Dibrugarh, Assam. Perm.— Vill. Bualjur, P.O. Narsingpur, Distt. Cachar.	Asstt. Prof. of Chem & Bio- chemistry.	T-G.
6000	Nathan, R.W.	1921	M.Sc. (Lucknow—'48) D.Phil. Photochemical reactions (Allahabad—'52)	10 years of teaching work to intermediate and B.Sc. classes	Pres — Dept of Chem., Ewing Christian College, Allahabad Perm.— Chopra, Paarl, Distt. Garhwal.	Prof of Chem.	T-NG.
6001	Neelakantan, Lakshmanan.	1927	B.Sc. (Madras—'46) A.I.I.S. (Bangalore—'49) F.I.C.S	Doing research in synthetic antimaterials and allied subjects, published papers	Pres.—Org. Chem. Dept., Indian Inst. of Science, Bangalore 3. Perm.—C/o S. Lakshmanan Iyer, 'Jai Sadan', Tofut Road, P.O. Ernakulam	Research Scho- lar	R-S
6002	Nigam, Suraj Narain	1929	B.Sc. (Agra—'50) M.Sc. (Agra—'53)	...	Pres.— 41/34, Naya Chowk, Kanpur. Perm.— Do.	..	Un.
6003	Pal, Chandra Jatindra	1912	M.Sc. (Dacca—'34)	Micro & routine analysis and guiding of research work, published research papers	Pres.— Central Drug Research Laboratories, Calcutta. Perm.— T.D.E. Labs, P.B. 320, Kanpur.	S.S.A	R-G.
6004	Pandit, Kumar Upendra	1930	B.Sc. Hons. (Delhi—'49) M.Sc. (Delhi—'51)	Researches carried in organic synthesis, e.g. coupling reaction of aromatic diazonium compounds with unsaturated acids, cortisone type compounds.	Perm.— 52-O, Jangpura Extension, New Delhi 14.	Research Fellow (Exchange Visitor's Pro- gramme.)	R-F
6005	Pandya, Babubhai Shivshanker	1916	B.Sc. (Bombay—'44) M.Sc. (Bombay—'51)	Analysis of soil, ghee, oils, foods, drugs, manures and fertilizers.	Pres.—Kirparam Mehta's Pole, Surat. Perm.—C/o K.G. Valdyas, Wadi Bhatwada, Baroda.	Student.	...
6006	Pandya, Drupadrao Bhaskerrao	1904	B.Sc. (Bombay—'26) LL.B. (Bombay—'29) M.Sc. (Bombay—'30) A.R.I.C. (London—'41)	Analytical chemistry and technology of sugar, oils and fats.	Pres.—Chemical Laboratory, New Custom House, Ballard Estate, Bombay 1. Perm.—C/o Divyaprasad Motibhai Pandya Esq., Kansarwada, Nadiad.	Asstt. Chemi- cal Examiner	STO-G.

## ORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5987	Pant, Nitya Nand.	1910	B.Sc. (Allahabad-'31) M.Sc. (Allahabad-'38)	For 9 years worked in sugar mills, 10 years in cotton mills and 2 years in the teaching line. At present engaged in supervision of testing & analysis of ordnance stores.	Pres.— 106/74, Gandhi Nagar, Kanpur. Perm.— Nautil Lodge, Naini Tal	St. Scientific Assistant.	STO-G.
5988	Parikshit, R.	1920	B.Sc. (Madras—'39) M.Sc. (Madras—'42)	Worked on the inspection of processed foods factories. At present working on the tariff of plastic industry. Published papers on 'Studies in the Isoquinoline series.'	Pres.— Ministry of Commerce & Industry, (Development Wing—ODP), Shahjehan Road, New Delhi. Perm.— C/o R. Vaidyeswaran, Supdt., Office of the D.G. P & T, New Delhi.	Jr. Field Officer.	STO-G.
5989	Patwardhan, Waman Dattatraya.	1917	B.Sc. (Bombay—'36) M.Sc. (Bombay—'39) Ph.D. (Bombay—'49)	From 1936-39 did teaching work, at present engaged in inspection & development of high explosives, initiators and pyrotechnic compositions.	Pres.— 409, Sudashiv Peth, Poona. Perm.— Do.	Asstt. Supdt (Development)	STO-G.
5940	Pendse, Gajanan Purushottam.	1908	B.Sc. Hons. (Allahabad—'29) M.Sc. (Allahabad) D.Phil. (Allahabad)	...	Pres.— Victoria College, Gwalior. Perm.— Pendse Wada, Chavadi Bazar, Lashkar, Gwalior.	Reader in Chemistry.	T-G
5941	Phadke, Gangadhar Shankar.	1925	B.Sc. (Bombay—'46) M.Sc. (Bombay—'51)	...	Pres.—Chemical Laboratory, New Custom House, Ballard Estate, Bombay Perm.— Plot No. 40, Sir Bhalchandra Road, Dadar, Bombay 14.	Chemical Asstt.	STO-G.
5942	Powar, Vishnu Kalu.	1926	B.Sc. Hons. (Bombay—'50) M.Sc. (Poona—'52)	...	Pres.—C/o P.B. Asawale, 2/9, Khatau Building, 1st Floor, Bombay 27. Perm.—C/o N.K. Powar, Nadives, P.O. Gadchinglaj, Distt. Kolhapur	...	Un.
5943	Puri, Bimla. (Miss)	1922	M.Sc. Org. Chem. (Punjab—'47)	Since 1947 doing teaching work, published papers on the structure of molecular compounds and the diamagnetic susceptibilities of phthalic acid & phthalic anhydride.	Pres.—Lady Irwin College, New Delhi. Perm — Do	Lecturer in Chemistry.	TR-NG.
5944	Radhakrishnamurti, Pathapati Subbu.	1929	B.Sc. (Madras—'48) B.Sc. Hons. (Madras—'52)	...	Pres.—85, Lloyds Road, Madras 6. Perm — Do.	Demonstrator in Chemistry.	T-
5945	Rajendranathan Nair, Madharam Pillay.	1981	M.Sc. (Travancore—'62)	...	Pres.—S.N. College, Quilon, Madras. Perm.—Metathil House, T.C 1903, Kunnumkuzhy, Trivandrum.	Lecturer in Chemistry.	T-NG.

## ORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5946	Rajinder Singh.	1924	M.Sc. (Delhi)	6 years teaching work. Contributions on oils & fats and chemical analysis of oil of <i>hibiscus esculentus</i> .	Pres.— Govt. College, Mandi, Perm.—18/21, Arya Samaj Road, W.E. Area, Karol Bagh, New Delhi	Lecturer in Chemistry.	T-G.
5947	Raju, Kakarlapudi Ananda.	1926	M.Sc. spl. Microscopy of Foods, Drugs & Water. (Andhra-'53)	...	Pres.—O/o O.J.T.R. Rajaguru, Beldhi Lake Road, Jamshedpur. Perm.—S/o K.V. Jagannatha Raju, Alamananda R S, via Vizianagram, B.N. Rly.	...	Un.
5948	Ramachandran, Perumpulavil Kunhirama Menon.	1928	B.Sc. (Madras-'47) P.G. Dip. in Pharm. Sciences (Cochin-'49) M.Sc. (Banaras-'54)	...	Pres.— 6, Chinna Reddi Street, Egmore, Madras 8. Perm.— Do.	...	Un.
5949	Ramachandran, V.	1924	B.Sc. Hons. (Delhi—'45) M.Sc. (Delhi—'46) LL.B. (Calcutta—'59)	Examination of patent specifications relating to chemical and other inventions.	Pres.— Patents Office, 214, Lower Circular Road, Calcutta 17. Perm.— 2, Hanumantha Rao Street, Thyagarayanagar, Madras 17.	Asstt. Examiner of Patents.	STO-G.
5950	Remadas, Sukuru Raghu.	1929	M.Sc. spl. Microscopy of Foods, Drugs & Water. (Andhra-'51)	...	Pres.—Chem. Dept., P.R. College, Kakinada, Distt. E. Godavari. Perm.— C/o Sri S.V. Remadas, Reid Headmaster, M.R. College High School, Vizianagram.	Demonstrator in Chemistry.	T-NG.
5951	Raman, M.K.	1930	M.Sc. (Bombay—'52)	...	Pres.—8, Amba Bhawan, Brahmin Wada Road, Bombay 19. Perm.— Do.	...	Un.
5952	Ramanathan, V.S.	1918	B.Sc. (Madras—'39) M.Sc. (Madras—'41) A.R.I.C. (London)	Analysis of samples pertaining to Customs and Central Excise, published papers.	Pres.— Custom House Laboratory, Custom House, Madras. Perm.—484, 12th Street, Kalpathy, P.O. Palghat, Distt. Malabar.	Asstt. Chemical Examiner.	STO-G.
5953	Ramaswami, Palaniappa.	1921	M.A. Org. Chem. (1945)	Since 1945 doing teaching work.	Pres.— Annamalai University, Annamalainagar, Distt. S. Arcot. Perm.— R.M.P.L. House, Konapet, Distt. Tiruchirappalli.	Lecturer in Chemistry.	T-SG.
5954	Ram Chandra, J.	1930	B.Sc. Hons. (Delhi—'49) M.Sc. (Delhi)	Analysis of drugs.	Pres.— 6/17, Western Extension Area, Karol Bagh, New Delhi. Perm.— Do.	...	Un.
5955	Rambir Singh.	1925	B.Sc. (Agra—'47) M.Sc. (Rajputana—'49) F.I.C.S.	Published papers on the chemistry and estimation of aliphatic thiocarbamides.	Pres.— Science College, Banaras Hindu University, Banaras. Perm.— Vill. & P.O. Titwali, Distt. Muzaffarnagar.	Lecturer in Chemistry.	TR-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5956	Rao, Bhadriraju Narayana.	1926	B.Sc. (Andhra—'45) M.Sc. spl. Microscopy of Foods, Drugs & Water. (Andhra—'47)	Analysis of foods, drugs & water besides teaching work since 1947.	Pres.— P.R. College, Kakinada. Perm.— Nookalamma Street, Ramaraopet, Kakinada.	Lecturer in Chemistry.	T-NG.
5957	Rao, Buddharaju Hanumantha.	1927	B.Sc. (Andhra—'48) M.Sc. (Banaras—'50)	...	Pres.— Sulphate Plant Laboratory, Sindri, Bihar. Perm— Yellamilli, P.O. Nayakampalli, Taluk Peddapuram, East Godavari.	Jr. Chemist.	STO-I.
5958	Rao, D. Harinaryana.	1926	M.Sc. (Rajputana—'51)	...	Pres—10, Hensman Road, T. Nagar, Madras 17 Perm.— Do.	...	Un.
5959	Rao, Nerlekar Prabhakar Ganpat.	1928	B.Sc. Hons. (Bombay—'46) M.Sc. (Bombay—'51) Ph.D. Org. Chem. (Karnatak—'52)	Worked for 8 years in the teaching profession. Published papers on synthetic organic chemistry.	Pres—C/o Shri V.R. Nerlekar, Jetharaw Bang, G 1/2 Khodadad Circle, Dadar, Bombay 14. Perm—Malmaddi, Dharwar, Bombay State.	...	Un.
5960	Rao, Potukuchi Ramachandra.	1922	B.Sc. Hons. (Andhra—'42) M.Sc. (Andhra—'48) D.Sc. Plant Chem. (Andhra—'47)	(i) Chemistry of plant pigments in particular & plant products in general (ii) analytical methods used in chemistry of foods & drugs; published papers on chemistry of plant products.	Pres.— Chemistry of Forest Products Branch, Forest Research Inst., P O. New Forest, Dehra Dun. Perm — Do.	Jr. Research Officer.	R-G.
5961	Rao, S.N.	1912	B.Sc. (Bombay—'32) M.Sc. (Bombay—'36) Ph.D. Org. Chem. (Bombay—'45)	General analytical work of chemicals, metals, textile fibres, oils, opium alkaloids, etc.	Pres.— Govt. Opium Factory, Ghazipur City. Perm.— C/o The Chief Chemist, Central Revenues Chemical Service, P.O. Agricultural Research Inst., New Delhi.	Chemical Asstt.	STO-I.
5962	Ribeiro, Diniz Jayme.	1922	B.Sc. Hons. (Bombay—'44) B.A. Hons. Chem. (Bombay—'46) M.Sc. Dyestuffs. (Bombay—'47) F.I.C.S.	Since 1949 engaged in analysis and research work on minor forest products including tans, dyes, drug plants, essential & fixed oils, wood preservatives, utilization of wood wastes, etc	Pres.— Yatagiri Bldgs, Fort, Dharwar. Perm.—148, Ghodbunder Road, Santa Cruz, Bombay 28.	Forest Chemist	R-G.
5963	Roy, Birsh Chandra.	1905	B.Sc. Hons. (Calcutta—'25) M.Sc. (Calcutta—'27)	...	Pres — Rampurhat College, P.O. Rampurhat, Distt Birbhum, W. Bengal. Perm — Tarapukur, P.O. Sodpur, Distt. 24 Parganas.	Lecturer & Head of the Dept. of Chemistry.	T-NG.
5964	Roy, Hitendra Bhushan.	1920	M.Sc. (Calcutta—'39)	Examination and preparing abstracts of patent specifications.	Pres.— 33B, Hindusthan Road, Calcutta 29. Perm.— Do.	Asstt Examiner of Patents.	STO-G.

## ORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5965	Roy Choudhury, Dilip Kumar.	1929	B.Sc. Hons. (Dacca—'48) M.Sc. spl. High Polymers. (Dacca—'49)	Working on physico-chemical studies of cellulose compounds.	Pres.—Indian Association for the Cultivation of Science, Dept. of Phy. Chem., Calcutta 32. Perm.—10, Nritya Gopal Chatterjee Lane, Calcutta 2.	Jr. Research Assistant.	R-NG.
5966	Saha, Gobinda Chandra.	1925	B.Sc. (Calcutta—'45) Dip. Soap tech. (Calcutta—'47)	Knowledge of fixed & essential oils, cosmetics and soaps.	Pres.— Biochemistry and Nutrition Dept., All India Inst. of Hygiene & Public Health, Calcutta. Perm.—C/o Dwarikanath Baiharan Saha, 176, Cross Street, Calcutta.	Sr. Lab. Asstt.	R-SG.
5967	Saha, Narendra Nath.	1923	B.Sc. Hons. (Calcutta—'46) M.Sc. (Calcutta—'48)	Published papers on synthetic organic compounds.	Pres.— Surendra Nath College, Calcutta. Perm.— 59, Sitaram Ghosh Street, Calcutta 9.	Lecturer—Demonstrator.	T-NG.
5968	Salvi, Narandas Premchand.	1925	B.Sc. Hons. (Bombay—'48) M.Sc. (Baroda—'51)	Doing teaching work since 1948.	Pres.— Chem. Dept., Faculty of Science, M.S. University of Baroda, Baroda. Perm.— Ganpati Sheri, Trisheria Mahalle, Salviwada, Patan, N. Gujarat.	Demonstrator.	T-SG.
5969	Samant, Keshav Mahabaleshwar.	1903	M.Sc. (Bombay—'30) Ph.D. (Liverpool—'34)	Contributed papers on carbohydrate estimation in plant material, constitution of ergosterol & calciferol and soil analysis.	Pres.— Inst. of Plant Industry, Indore. Perm.—45, Pendsewadi, Girgaon, Bombay 4.	Biochemist. (Indian Central Cotton Committee)	R-SG.
5970	Sant Prakash.	1931	B.Sc. (Agra—'51) M.Sc. (Agra—'53)	...	Pres.— 125, Teachers Quarters, Dayalbagh, Agra. Perm.— Do.	...	Un.
5971	Saxena, Sushil Kumar.	1930	B.Sc. (Agra—'50) M.Sc. (Agra—'52)	...	Pres.— C/o Shri J.S. Saxena, 11/211, Sonter Gunj, Kanpur. Perm.— C/o Shri Ram Behari Saxena, Station Master, Gonda Kacheri, Gonda, N.E. Rly.	...	Un.
5972	Sehgal, Ram Prakash.	1918	B.Sc. Hons. (Punjab—'39) M.Sc. (Punjab—'40)	Worked at different places on the manufacture of soda ash, liquid ammonia, potash salts, fine chemicals, evaporated milk, butter and salt refining.	Pres.—197, Thalakwadi, Belgaum. Perm.— Do.	Lecturer in Chemistry.	T-
5973	Sen, Jnanendra Nath.	1895	B.Sc. Hons. (Calcutta—'18) M.Sc. (Calcutta—'15)	Has been teaching since long at different colleges, and now upto honours classes.	Pres.— 15, Kali Kundu Lane, Howrah. Perm.— Do.	Principal.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5974	Sen Gupta, Prabir Ranjan.	1930	B.Sc. Hons. (Calcutta—'49) M.Sc. (Calcutta—'52)	...	Pres.— 10, The Mall, Dum Dum, Calcutta 28. Perm.— Do.	...	Un.
5975	Sen Gupta, Ranajit.	1924	B.Sc. (Punjab—'43) M.Sc. (Calcutta—'48) D.Phil. High Polymers. (Calcutta—'50) F.I.C.S.	Carrying on researches in high polymer science (rubber, plastics & paper) and synthetic organic chemistry.	Pres.—Dept. of Chemistry, Indian Institute of Technology, Kharagpur.	Sr. Research Assistant.	TR-G.
5976	Sen Gupta, Suresh Chandra.	1902	M.Sc. (Calcutta—'25) D.Sc. Org. Chem. (Calcutta—'37) F.I.C.S.	Since 1920 engaged in teaching work, now teaching to inter. B.Sc. and postgraduate classes besides conducting research work in organic chemistry, published a number of papers mainly on the synthetic side.	Pres.— Krishnagar College, Krishnagar.	Prof. of Chem.	TR-NG.
5977	Sethi, R.L.	1923	M.Sc. (Agra—'47)	Inspection of armaments & explosives as required in the navy.	Pres.— I.N. Armament Depot, Behind Town Hall, Bombay. Perm.—O/o Director of Armament Supply, Naval Headquarters, New Delhi.	Asstt. Armament Supply Officer.	STO-G.
5978	Shah, Sakarlal Vrijlal.	1902	B.Sc. (Bombay—'22) Ph.D. Org. Chem. (Göttingen—'25)	About 25 years teaching experience, contributed a number of papers concerning organic chemistry.	Pres.—Sidhnath College, Sidhnath Road, Baroda. Perm.— Do.	...	...
5979	Sharma, Swarup.	1931	B.Sc. (Agra—'49) M.Sc. (Lucknow—'52)	Carried research work connected with wood preservation and composite wood.	Pres.—C.S.I.R., Old Mill Road, New Delhi. Perm.— No. 11, Ghost Gali, Dehra Dun.	Jr. Scientific Assistant.	Scientific editing.
5980	Sharma, Jai Nathb.	1931	B.Sc. Hons. (Delhi—'50) M.Sc. (Delhi—'52)	...	Pres.—8567, Arankashan Street, Ram Nagar, New Delhi. Perm.— Do.	Student for Ph.D degree.	R-
5981	Sher Gill, Balraj Singh.	1930	B.Sc. (Punjab—'49) M.Sc. (Aligarh—'52)	...	Pres.— S.G.G.S. Khalsa College, Mahil Pur, Distt. Hoshiarpur Perm.— Vill. & P.O. Pholtiwala, Distt. Jullundur.	Professor of Chemistry.	T-NG.
5982	Sheth, Natvaril Madhavlal.	1920	B.Sc. (Bombay—'44) M.Sc. (Bombay—'48) F.I.C.S.	Since 1944 doing teaching work.	Pres.— Jagmal Pole, Bank Road, Baroda. Perm.— Do.	Lecturer in Chemistry.	T-
5983	Shrivastava, Avadheesh Narain.	1938	B.Sc. (Agra—'51) M.Sc. (Agra—'53)	...	Pres.—O/o Shri Pratap Narain, Advocate, Prag Narain's Temple, Kanpur. Perm.—O/o Shri Bageshwari Dayal, Vill. & P.O. Shiuli, Distt. Kanpur.	...	Un.

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S.No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5984	Shukla, Babu Ram.	1918	B.Sc. (Lucknow—'41) M.Sc. (Lucknow—'43)	Agricultural and soil development work.	Pres.— Directorate of Agriculture, Lucknow. Perm.—2, Ashoknagar, Lucknow.	Town Compost Officer.	STO-G.
5985	Sinha, Abhaya.	1927	M.Sc. (Banaras—'48) Ph.D. Org. Chem. (Banaras—'51)	During 6 years carried research work in analysis & utilization of bagasse and other cellulose bearing materials, synthetic fibres, cellulose plastics, synthetic organic chemistry, plant & alkaloid chemistry. Now doing research and teaching pharmaceutical chemistry to M.B.B.S. students.	Pres.— Medical College, Agra. Perm.—O/o Shri Sadhu Saran, 127, Muftipur, Gorakhpur, U.P.	Lecturer in Pharmacology.	TR-G.
5986	Sinha, Arun Kumar.	1919	M.Sc. (1942)	...	Pres.— 16/1, Sastitala Road, Calcutta 11. Perm.— Do.	Asstt. Examiner of Patents.	STO-G.
5987	Sinha, Arun Kumar.	1930	B.Sc. (Patna—'48) M.Sc. (Patna—'50) F.I.C.S	Teaching to degree classes, papers published on synthetic vat dyes	Pres.—Chem. Lab., B.N. College, Poona 6. Perm.— Shri Pasupati Kumar Sinha, Masallapur Hat Road, Patna 6.	Lecturer in Chemistry.	TR-NG.
5988	Sobti, Harbans Singh.	1927	M.Sc. (Agra—'52)	...	Pres.— O/o Rajender Singh, Stall No. 65, Hospital Road, Agra. Perm.— Do.	...	Un.
5989	Srivastava, Prahlad Prasad	1932	B.Sc. (Allahabad—'51) M.Sc. (Allahabad—'53)	...	Pres.— OK. 41/4, Hobz Katora, Banaras 1. Perm.— Do.	...	Un.
5990	Srivastava, Ravindra Kumar	1924	B.Sc. (Allahabad—'45) M.Sc. (Allahabad—'48) D.Phil. Org. Chem. (Allahabad—'52)	Engaged in investigation on photochemical sensitizers and desensitizers.	Pres.— Allahabad University, Allahabad. Perm.— 29, Park Road, Allahabad.	...	R-S.
5991	Subba Rao, Nandury Venkata.	1916	B.Sc. Hons. (Andhra—'38) M.Sc. Org. Chem. (Andhra—'38) D.Sc. Plant Insecticides. (Andhra—'46) Ph.D. Agri. Chem. (London—'49) D.I.C. (London—'49) F.R.I.C. (London) F.C.S. (U.K.) F.I.O.S	Teaching and guiding research work of post-graduate classes. Published several papers on bactericides, insecticides and fungicides.	Pres.—Osmania University, Hyderabad. Perm.—O/o Sri Rayasam Narasimha Murthi, Advocate, Bhimavaram, Distt. West Godavari.	Prof. & Head of the Chemistry Dept.	T-SG.
5992	Subramanian, K.	1915	B.Sc. (Madras—'35) M.Sc. (Banaras—'38)	From 1938-43 worked as Research Scholar and 1943-53 as Asstt. Manager of Chemicals department of M/s Parry & Co. Ltd, Madras.	Pres.—75, Sanjeevarayan Kol St., Tondiarpet, Madras 91. Perm.— O/o Sri N. Parameswaran, 1478, Krishna Murthy Puram, Mysore.	...	Un.

## ORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
5993	Subramanian, Toppur Seethapathy.	1911	B.A. Chem. (Madras—'31) M.Sc. (Banaras—'34) Ph.D. Org. Chem. (Liverpool—'36) F.A Sc. (India) F.N A Sc. (India)	Since 1937 engaged in research work pertaining to organic & industrial problems, published several papers.	Pres.— T.D.E. Labs., P.Box No. 320, Kanpur. Perm.—'Gokulam', Mylapore, Madras.	Supdt. of Development.	STA-G R-G.
5994	Surange, Vinayak Raghunath.	1905	M.Sc. (Agra—'30) LL.B. (Agra—'30) B.T. (Banaras—'35)	21 years teaching work, published papers and a text book on elementary science.	Pres.— Holkar College, Indore. Perm.— Bat Sahib-ke-Parade, Lashkar, Gwalior.	Sr. Lecturer in Chemistry.	T-G.
5995	Suri, Satya Pal.	1921	B.Sc. (1943) M.Sc. (Delhi—'48)	...	Pres.— Delhi College, Delhi. Perm.— Do.	Lecturer.	T-NG.
5996	Tara Singh.	1921	B.Sc. Hons. (Punjab—'44) M.Sc. (Punjab—'45) A.M. Org. Chem. (Harvard—'49) Ph.D. Org. Chem. (Harvard—'50)	Conducted researches mostly in synthesis and study of various classes of compounds related to acridines, xanthones and santonine; published papers on these problems.	Pres.— Govt. College, Dharamsala. Perm.— Vill. Kot Data, P.O. Sathal, District Amritsar.	Sr. Lecturer in Chemistry.	T-G.
5997	Tewari, J.D.	1900	B.Sc. (Allahabad—'20) M.Sc. (Allahabad—'23) D.Sc. Org. Chem. (Allahabad—'31) F.I.C.S F.N.A Sc. (India)	Since 1926 engaged in teaching work; at present teaching to post-graduate classes and guiding research work of D.Phil & D.Sc. students. Specialisation in dye chemistry, plant chemistry, drugs and biochemistry, published a number of papers	Pres.— Chemical Labs., University of Allahabad, Allahabad. Perm.— Muhalia Teunera, Distt. Almora, Kumaon Hills.	Lecturer in Chemistry.	TR-SG.
5998	Tewari, Ram Chandra.	1910	B.Sc. (Delhi—'39)	Worked for 6 years in research on isolation of alkaloids and other plant constituents. At present engaged in editing of scientific literature especially in Hindi.	Pres.—C.S I.R., Old Mill Road, New Delhi. Perm.— Kucha Dilwalli Singh, Ajmeri Gate, Delhi.	Sr. Tech Asstt.	Scientific editing & publication.
5999	Thakor, Vidyadhar Manjulal.	1922	B.Sc. (Bombay—'42) M.Sc. (Bombay—'45) Ph.D. Org. Chem. (Bombay—'48) F.I.C.S.	Guiding M.Sc. and Ph.D. students in research work.	Pres.— Institute of Sciences, Mayo Road, Fort, Bombay. Perm.— 23, Pritamnagar, Ellis Bridge, Ahmedabad 6.	Research Asstt. in Org. Chem	R-G.
6000	Trivedi, Pramod-chandra Laxmi-shanker.	1918	B.Sc. (Bombay—'40) M.Sc. (Bombay—'43) Ph.D. Org. Chem. (Bombay—'53) F.I.C.S.	7 years work in teaching analytical chemistry particularly micro-analysis.	Pres.— Inst. of Sciences, Bombay. Perm.— Viller-Villa, Ghodbunder Road, Santa-Cruz, Bombay-33.	Asstt. Lecturer (Analytical)	T-G
6001	Vaishnav, Shantilal Anandrai.	1910	B.Sc. (Bombay—'32) M.Sc. (Bombay—'34)	Since 1934 engaged in teaching work.	Pres.— Nagar Road, Junagadh. Perm.— Do.	Prof. & Head of Chemistry Section.	T-SG.

## ORGANIC CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6002	Varma, Vishwajit Lal.	1916	M.Sc. (Allahabad-'38)	Over 8 years teaching work; published papers on berl-bert & mustard oil, dyes derived from chrysocoumarone and condensations of diphenyl-thio barbituric acid	Pres.— 54, Clay Square, Lucknow. Perm.—C/o Bishan Man-singh Esq., Civil Lines, Fateh Pur, U.P.	...	T-
6003	Venkataramani, C.	1930	B.Sc. Hons. (Delhi—'49) M.Sc. (Delhi—'51)	...	Pres.— Delhi College, Delhi. Perm.—70, Ranjit Singh Road, New Delhi	Lecturer.	T-NG.
6004	Verma, Shiv Charan Lal.	1926	M.Sc. (Delhi—'47)	Engaged in research on anti-tubercular drugs.	Pres.— Biochemistry Dept., Indian Institute of Science, Bangalore 3. Perm.— C/o B. Chhitari Mal, Mundri Mohalla, Bhataji Street, Ajmer.	...	R-S.
6005	Virkar, Vasudeo Vishnu.	1912	B.Sc. (Bombay—'36) M.Sc. (Bombay—'39) Ph.D. Org. Chem. (Bombay—'42)	Worked for 4 years in the teaching line, now engaged in routine analytical and testing work of C.W. Weapons, published papers.	Pres.— T.D.E. (M.E.), Kirkee, Poona. Perm.— C/o R.B. Virkar, P.O. Mahad, District Kolaba, Bombay.	Sr. Scientific Assistant.	STO-G.
6006	Visvanathan, Tiruvadi Pranatharthihara.	1926	M.Sc. (Banaras)	5 years teaching work.	Pres.— Khalikote College, Berhampur, Orissa. Perm.— 5, West Main Street, Papanasam, S.I.	Lecturer.	T-NG.
6007	Vyas, Vasudev Ambalal.	1918	B.Sc. (Bombay—'38) M.Sc. (Bombay—'41) F.I.C.S. Training in analysis of milk and milk products. (Bangalore)	For the last 11 years teaching chemistry upto B.Sc. classes.	Pres.—Dharmendra Inbjji College, Rajkot. Perm.— Sarasabani, via Mahmedabad, District Kaira.	Prof & Head of Chem. Dept.	T-

# BIOLOGICAL CHEMISTRY

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6008	Anand, Jagdish Chandar.	1922	B.Sc. (Punjab—'43) Dip. in Fruit & Vegetable Preservation. (I.O A.R., New Delhi)	(i) Fruit & vegetable preservation (ii) food microbiology & sanitation; published papers on the same.	Pres.—Divn. of Microbiology & Sanitation, Central Food Technological Institute, Mysore. Perm.—Barrack No. 19, Room No. 59/60, Anand Parbat, Karol Bagh, New Delhi.	Jr. Scientific Assistant.	R-SG.
6009	Appanna, Tumkur Chokkanna	1916	B.Sc. (Mysore—'39) M.Sc. (Bombay—'45)	11 years teaching experience. Conversant with pathological and analytical work.	Pres.—Medical College, Vellore, N.A.	Lecturer	T-G
6010	Balasubramanian, S.C.	1925	B.Sc. (Madras—'45) M.Sc. (Andhra—'47)	Researches on the amino-acid composition of foods, evaluation of nutritive quality by laboratory & animal feeding experiments and evaluation of quality of fats; published papers.	Pres.— D.C. Section, Indian Dairy Research Institute, Hosur Road, Bangalore 1. Perm.—S/o Late Vakil Chandramouleswara Iyer, Fort, Namakkal, Distt Salem	Research Asstt.	R-S
6011	Bandyopadhyay, Dharendra Prasad.	1930	B.Sc. Hons. (Calcutta—'48) M.Sc. spl. Biochem. (Calcutta—'51)	...	Pres.— 58, Mahareja Tagore Road, Calcutta 31. Perm.— Do	...	Un.
6012	Basu, Sachindra Nath.	1915	B.Sc. (Calcutta—'36) M.Sc. (Calcutta—'38) Ph.D. Microbiology. (London—'47) D.I.C. Biochem. (London—'47)	Since 1939 engaged in research on the microbiology & microscopy of the jute fibre and physiology of micro-organisms concerned, published a number of papers on the same.	Pres.—Indian Jute Mills Association Research Institute, Calcutta. Perm—8, Taratola Road, Calcutta 27.	Chief Biologist.	R-I.
6013	Bhandari, Raghuveer Raj.	1923	B.Sc. (Agra—'44) M.Sc. Org. Chem. (Agra—'48) Ph.D. spl. Bact. & Microbiology. (Manchester—'51) F.I.C.S. A.R.I.C. (London)	Bacteriology, microbiology & biochemistry as related to food, fermentation and agricultural industries, contributed papers.	Pres.—O/o Anand Raj Bhandari, Road No. 9-C, Sardarpura, Jodhpur. Perm.— Do	...	Un.
6014	Bhatt, Nautam. Indira	1919	B.Sc. (Bombay) M.Sc. Org. & Biochem. (Bombay) M.Sc. spl. Nutrition. (Wisconsin)	Over 7 years teaching work, published papers on shark liver oil concentrates and utilisation of liver residues.	Pres.—Lady Irwin College, New Delhi Perm.—4/35, Ferozshah Road, New Delhi 1.	Lecturer	T-NG
6015	Bhattacharyya, Prabhat Kumar.	1921	B.Sc. Hons. (Calcutta—'40) M.Sc. Biochem. (Calcutta—'42) Ph.D. Biochem. (Illinois—'49)	8 years research work on melt, antibiotics and vitamins. Published papers on isolation & characterisation of chloromycoxin, endomycin & vitamin B1.	Pres.—Bindubasini Road, Bhatpara, Distt. 24 Parganas.	...	...

## BIOLOGICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6016	Bhattacherjee, Ram Chandra.	1900	B.Sc. Hons. (Calcutta—'16) Ph.D. Appl. Chem. (Leipzig—'25) D.Sc. Biochem. (Paris—'34)	Specialisation in snake venoms, manufactured and introduced new medicines from it for the cure of cancer, neuro-leprosy, sciatica, lumbago & haemophilia. Published papers on low temperature carbonisation of coals & other aspects of coal technology and on biological & biochemical problems.	Pres.—C.S.I.R., Old Mill Road, New Delhi. Perm.—99/4, Hazl Ghosh Street, Calcutta.	...	Scientific editing & publication.
6017	Bhavnani, Gulab Dharamdas.	1914	M.Sc. Plant Chem. (Bombay—'41) F.L.S. (London) F.O.S. (London) F.R.M.S. (London)	11 years experience in teaching science and also in the methods of education & organization. Published papers on alkaloidal determination & vegetative propagation of ephedra.	Pres.—National Defence Academy, P.O. Clement Town, Dehra Dun. Perm.— Do	Lecturer in Science	T-G.
6018	Bose, Benoy Bhushan.	1927	B.Sc. Hons. (Dacca—'48) M.Sc. Inorg. Chem. (Dacca—'49)	Working on the studies on Hooghly Estuary from chemistry point of view in relation to biological importance—mainly fishery and various aspects of pond fish culture. Published papers on preparation & dehydration of dihydrates of bivalent iron, nickel, cobalt & manganese chlorides.	Pres.—Inland Fisheries Research Station, Barrackpore, W. Bengal. Perm.— 4/68, Bijoygar, Calcutta 32.	Research Asstt	R-G.
6019	Bose, Sarashipada.	1909	B.Sc. Hons. (Dacca—'30) M.Sc. Phy. Chem. (Dacca—'31) Ph.D. Biochem. (London—'37)	15 years research work concerning biochemistry including food technology and poultry production; published a number of papers	Pres.—Divn. of Poultry Research, Indian Veterinary Research Inst., Izatnagar. Perm.— Do	Industrial Chemist.	R-G.
6020	Chatterjee, Arun Kumar.	1922	B.Sc. Hons. (Calcutta—'41) M.Sc. Appl. Chem. (Calcutta—'48) D.Phil. Enzyme Chem. (Calcutta—'49) F.I.O.S.	For 7 years carried research work under I.C.M.R. on enzymes. At present engaged in general analytical work. Published papers on effects of snake venoms on the cytochrome—cytochrome oxidase system and resistance of house flies to D.D.T.	Pres.— Armed Forces Medical College, Poona 1. Perm.— 97, Brahmo Samaj Road, P.O. Behala, Calcutta 34.	Jr. Chemist.	STO-G.
6021	Chatterjee, Harendra Nath.	1904	B.Sc. Hons. (Dacca—'26) M.Sc. spl. Fermentation. (Calcutta—'27)	Fermentation and mycology including distillery & brewery work, published papers.	Pres.— Lab. Section, Ordnance Factory, Kalpi Road, Kanpur. Perm.— 28/68, Garia Hat Road, P.O. Ballygunge, Calcutta 19.	Chargeman.	STO-I.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6022	Chatterji, Devendra Nath.	1884	B.A. (Allahabad-'06) B.Sc. (Allahabad-'06) F.R.I.C. (London) F.I.C.S. F.R.S.A. (London)	30 years analytical work pertaining to agriculture, foods & drugs besides medico-legal work and bacteriological examination especially of water. Contributed notes on argemone mexicana, opium poisoning, valuation of charas, estimation of small quantities of elements, etc	Pres.—17/62 G, Tilbandeshwar, Banaras City. Perm.—1B, Bund Road, Allahabad.	...	Retd.
6023	Dalvi, Prabhakar Dattaram.	1903	M.Sc. Biochem. (Bombay—'29) A.I.I.Sc. Biochem. (Bangalore—'28) Ph.D. Biochem. (Liverpool—'49) F.R.I.C. (London)	Experience in water & sewage analysis, medico-legal work and in teaching biochemistry; published several papers on 'Studies in vitamin A'.	Pres.—Sawai Man Singh Medical College, Jaipur. Perm.— Do.	Reader in Biochemistry & Chemical Examiner to Rajasthan Govt.	T-G STO-G
6024	Das, Nalin Bandhu.	1908	Ph.D. Biochem. (1937)	Researches in enzymes, antibiotics, nutrition, hormones, vitamins and serology; published a number of papers on the above subjects.	Pres.— Indian Agricultural Research Inst., New Delhi. Perm—14, Palm Avenue, Calcutta	Biochemist.	TR-G.
6025	Dasgupta, Premodranjan.	1917	M.Sc. Biochem. (Dacca—'40) F.I.C.S.	Engaged in teaching chemistry up to B.Sc. Hons. standard of the Calcutta University. Published papers on oxidation of adrenaline & related compounds on various tissues, metabolism of amino acids and isolation of sterols from jute seed oil.	Pres.— Presidency College, Calcutta 12.	Lecturer in Chemistry.	T-G.
6026	Datta, Chandra. Nirode	1901	B.Sc. Hons. (Calcutta—'90) M.Sc. (Calcutta—'28) M.Sc. Org. Chem. (Dacca—'27)	Teaching of biochemistry, clinical biochemistry, biophysics & dental metallurgy to M.Sc., postgraduate medical and undergraduate M.B.B.S. & B.D.S. students besides organising of research work in clinical biochemistry. Published a number of papers on biochemical subjects.	Pres.— Dept. of Biochemistry, Grant Medical College, Bombay. Perm.— C/o R.C. Datta, 27, Southern Avenue, Calcutta.	Asstt. Prof. of Biochemistry.	TR-G.
6027	De, Hari Nath.	1914	B.Sc. Hons. (Dacca—'36) M.Sc. (Dacca—'37) Ph.D. Human Nutrition. (Dacca—'42)	Since 1945 conducting research & teaching biochemistry with special reference to nutrition to graduate & post-graduate students. Published a number of papers on the same.	Pres.— M.G.M. Medical College, Indore. Perm.— Do.	Prof. & Head of Biochem. Dept	TR-G.

## BIOLOGICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6028	Deb, Sudhansu Bhushan.	1910	B.Sc. Hons. (Calcutta—'80) M.Sc. Appl. Chem. (Calcutta—'32)	Worked for 3 years in the teaching line and 1½ years in the examination of military stores. Now working on the studies in chemistry of tea.	Pres.— Biochemical Branch, Tooklai Experimental Station, P.O. Cinnamara, Assam. Perm.—Jorhat, Assam.	Asstt. Chemist.	R-NG.
6029	Dessai, S V.	1900	B.Sc. (Bombay—'19) Ph.D. Biochem. (London—'30) D.I.C. Agric. Chem. (London—'30) D.Sc. Soil Microbiology. (London—'35)	Extensive research in soil fertility, soil microbiology, nutrition and agricultural chemistry; published several papers on these problems. At present engaged in organization, direction and extension of scientific agricultural development of the state.	Pres.—Jaipur, Rajasthan. Perm.— Kalol, Panch Mahal.	Director of Agriculture & Food Commissioner.	STA-G.
6030	Deshpande, Mangesh Chintamanl.	1922	B.Sc. (Bombay—'43)	7 years work in the analysis of drugs & galenicals and bioassays	Pres.—Dept. of Pharmacology, Haffkine Institute, Parel, Bombay 12. Perm.—1-2, Hari Vijay Blocks, Gorai Road, Borivali.	Asstt Chemist.	STO-G.
6031	Dey, Abhoya Pada.	...	B.Sc (Calcutta—'44) Training in Nutrition & Biochem (Calcutta)	7 years work on analysis of raw materials & finished products, assay of vitamins with special reference to their stability in different conditions and manufacture of vitamin products in injectable form.	Pres.—M/s Albert David Ltd., 5/11 D, Gupta Lane, Cossipore, Calcutta 2. Perm.—Vill. Jabagram, P.O. Kashiragram, Distt. Burdwan.	Chemist	STO-I.
6032	Dhopeshwarkar, Govind Atmaram.	1924	B.Sc. Hons. (Bombay—'45) M.Sc. Biochem. (Bombay—'51)	Food analysis with regard to mineral and vitamin assays, canning of fruits & vegetables, published papers on vitamin C content of canned and storage foods.	Pres.—Institute of Science, Fort, Bombay. Perm.—Kirtane's Bungalow, Deccan Gymkhana, Poona 4.	Jr. Research Assistant.	R-S.
6033	Dudani, Arjun.	1924	B.Sc. Hons. (Bombay—'45) Ph.D. Bacteriology. (Iowa—'50)	Bacteriology especially bacterial enzymes and antibiotic work.	Pres.—Division of Microbiology, Central Drug Research Inst., Lucknow. Perm.—O/o Dr. G.L. Dudani, Malharganj Hospital, Indore.	Sr. Scientific Assistant.	R-SG.
6034	Gakhar, Krishan Lal.	1927	M.Sc. Biochem (Punjab)	...	Pres.—Govt. Agricultural College, Ludhiana Perm.—O/o Shri Hans Raj Gakhar, Supdt., D.P.I. Office, Simla.	Asstt. Chemist. (Insecticides)	R-G.
6035	Ganguli, Nripendra Chandra.	1927	B.Sc. Hons. (Dacca—'47) M.Sc. apl. Biochem. (Calcutta—'49)	Working in a scheme of 'production of vitamin B <sub>2</sub> ' under O.S.I.R., published papers mostly on nutrition & biochemistry.	Pres.—Dept. of Applied Chemistry, 92, Upper Circular Road, Calcutta 9. Perm.—6, Fakir Halder Lane, Calcutta 26.	Jr. Research Assistant.	R-S.

## BIOLOGICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6036	Ghosal, Krishna, Apurba	1903	B.Sc. (Calcutta—'25)	Since 1930 doing teaching work besides analysis and estimation of drugs & medicines, foodstuffs, water, ores, minerals, etc.	Pres.— Chem. Dept., Medical College, Calcutta. Perm.—184/3A, Corr. wallis Street, P.O. Shyambazar, Calcutta 4.	Sr. Demonstrator of Chemistry	T.G.
6037	Ghosh, Amal Kumar.	1926	B.Sc. Hons. (Calcutta—'46) M.Sc. Appl. Chem. (Calcutta—'48)	Working in the milk standardization scheme.	Pres.— All India Inst. of Hygiene & Public Health, Calcutta Perm.—88, Beni Banerjee Avenue, Dhakuria, Calcutta 31.	Research Asstt (I.C.A.R.)	R-SG.
6038	Godbole, Narayan, Dinkar	1909	B.Sc. (Bombay—'35) M.Sc. Biochem. (Bombay—'46)	Sugar manufacture.	Perm.— 374, Sadashiv, Poona 2	Shift Chemist	STO-I.
6039	Gulvady, Srinivasa Rao Lily.	1928	B.Sc. (Mysore—'48) M.Sc. (Bombay—'52)	Working in the I.C.M.R. Inquiry one estimation of vitamins in milk products and rat feeding experiments & metabolism work.	Pres.— D.C. Section, Indian Dairy Research Institute, Hosur Road, Bangalore 1. Perm.— 19, Appayappa's Agrahar, Bangalore 2.	Research Asstt.	R-SG.
6040	Gupta, Ram Krishna.	1925	B.Sc. (Lucknow—'43) Dip. Soap & Oil Tech. (Banaras—'44) M.Sc. Chem. (Louisville, U.S.A.)	Doing analytical and research work in fermentation, distillation and other problems arising in alcohol & power alcohol industry.	Pres.— Govt Central Control Laboratory (Excise), Kanpur. Perm.— Pipal Tola Street, Rampur.	Research Asstt.	R-G.
6041	Habbu, Kattarao, Madhu	1910	B.Sc. (Bombay)	Production and biological assay of vaccines, assay of penicillin, examination of curative value of antibiotics and sulpha drugs in plague infection, etc. Published papers concerning these subjects.	Pres.— Haffkine Inst., Parel, Bombay 12. Perm.— Do.	Asstt. Bacteriologist.	STO-G.
6042	Iyengar, Adachany Vanumamalachary Varadaraja.	1903	B.A. Chem. (Madras—'29) A.I.I.Sc. (Bangalore—'28) A.R.I.C. (London—'29) M.Sc. Biochem. (Madras—'30) D.Sc. Biochem (Madras—'35)	Manufacture of plant products, vitamin production, industrial fermentation including antibiotics, utilization of industrial wastes, chemical control of plant diseases, food processing & storage, etc. Published a number of papers on these problems and taken a few patents.	Pres.— Sri Rampuram, Bangalore City Perm.— Malleswaram, Bangalore 3.	Consulting Chemist.	STO-P.
6043	Iyengar, Nadipuram Venkatesanarayana- char Rangaswami.	1914	B.Sc. Hons. (Mysore—'34) M.Sc. (Mysore—'35) A.I.I.Sc. Biochem. (Bangalore—'41) F.R.I.C. (London—'49)	(i) Examination of food stuffs, their storage & preservation (ii) survey work of the progress & development of food industries in India and assistance to them (iii) collection of all available material and writing of reports.	Pres.— Information & Statistics Division, Central Food Technological Research Institute, Mysore. Perm.— Do.	Jr. Scientific Officer.	Scientific editing & publication.

## BIOLOGICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6044	Jayaraman, R	1919	B.Sc. Hons. (Madras—'40) M.A. Chem. (Madras—'50)	2 years work on manufacture and standardization of shark liver oil and 3 years in teaching chemistry. At present engaged in the study of the chemical composition of sea water and its relation to fisheries.	Pres.—Central Marine Fisheries Research Station, Mandapam Camp Perm.—Do.	Asstt. Research Officer.	R-G.
6045	Joshi, Chandra-shekhar Ganesh-shastri.	1929	B.Sc. Hons. (Bombay—'49) M.Sc. Biochem. (Bombay—'51)	Carrying research on the isolation of antibiotics from medicinal plants. Published a paper on antibiotic activity in Indian medicinal plants	Pres.—Inst. of Science, Mayo Road, Bombay 1. Perm.—C/o Ayurvediya Aushadhi Bhandaar, 28, Shukrawar Peth, Poona 2.	Student for Ph.D. degree.	R-
6046	Kamath, Ganesh.	1929	B.Sc. Hons. (Bombay—'49) M.Sc. (Bombay—'52)	Assay of vitamins	Pres.—Motashaw Building, 1st Road, Khar, Bombay 21. Perm.—Do.	Jr Chemist.	R-
6047	Kapur, Kishen Parshad. (Major)	1908	B.Sc. Hons. (Punjab—'29) M.Sc. (Punjab—'30) Public Analyst Course (1934)	Analysis, canning, storage and pest control of foodstuffs, to tender advice thereon and operation of contracts.	Pres.—Composite Food Laboratory, Lucknow Perm.—C/o L Radha Kishen, Bazar Tokrian, Amritsar.	Officer Commanding	STA-G.
6048	Karmarker, Dattatraya Vishnoo	1906	B.Sc. (Bombay—'27) A.I.I.Sc. (Bangalore—'31) M.Sc. Biochem. (Bombay—'31) Ph.D. Agri. Chem. (Bristol—'38) Cert. in Preservation of fruits & vegetables (Bristol—'38) F.I.C. (India)	(i) Canned fruits & vegetables (ii) cold storage of fruits & vegetables and (iii) general food technology. Contributed publications on the physiology of germinating oil seeds, amylases from cereals, physiology of apple trees & cold storage and refrigerated transport of fruits & vegetables.	Pres.—Ministry of Food & Agriculture, Jamnagar House, Mansa Singh Road, New Delhi Perm.—Do.	Tech. Adviser.	STA-G.
6049	Kesar Singh.	1919	B.Sc. Hons. (Punjab—'41) M.Sc. Tech. (Punjab—'42) Ph.D. Biochem. & Bact. (Wisconsin—'48)	Manufacture of chemicals & drugs, fermentation with special reference to food yeasts & penicillin, published papers on fermentation.	Pres.—Dept. of Chem., Govt College, Ludhiana.	Lecturer in Chemistry.	T-G.
6050	Kochhar, Basheshar Dass.	1906	D.Sc. (1944) F.R.I.C. (London)	Analysis of foods and drugs, published papers.	Pres.—State Drug Laboratory, Ambala Cantt.	Provincial Public Analyst & Officer In-charge.	STO-G.
6051	Krishnamurthy, Peddibhotla Venkata	1906	B.A. Chem. (Madras) M.Sc. (Banaras) B.Ed. (Andhra) F.I.C.S. A.R.I.C. (London)	Since 1927 doing teaching work, published papers on the vitamin C oxidation and methods of inhibiting it.	Pres.—Govt. Arts College, Anantapur. Perm.—Do.	Lecturer in Chemistry.	T-G.
6052	Kundaji, Tara Ram-mohan Rao. (Miss)	1923	B.Sc. (Bombay—'47) M.Sc. Biochem. (Bombay—'52)	Worked on the estimation of blood proteins and nutritive values of some plant proteins.	Pres.—‘Kumud Kuuj’, Vincent Square, Street No. 8, Dadar, Bombay 14. Perm.—Do.	Student for Ph.D. degree.	R-

## BIOLOGICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (a)	Present post	Remarks
6053	Kuppuswamy, Srinivasa.	1903	B.Sc. (Madras) M.Sc. (Calcutta)	Nutrition with special reference to protein & mineral metabolism and analysis of foodstuffs, published papers on the nutritive value of oil-seed cakes and seed-cake hydrolysates.	Pres.— Central Food Technological Research Institute, Mysore Perm.— 177, West Car Street, Chidambaram, Madras State.	Jr. Scientific Assistant	R-SG.
6054	Majumdar, B.N.	1909	M.Sc. Org. Chem. (Lucknow—'33) Ph.D. Biochem. & Animal Nutrition. (Bombay—'45)	Researches in biochemistry, animal nutrition, agricultural chemistry and microbiology, published several papers on these subjects.	Pres.— Indian Veterinary Research Institute, Izatnagar-Bareilly. Perm.— Do.	Asstt Research Officer (Biochemistry)	R-(t.)
6055	Mani, Verghese Kurisunkal.	1916	B.Sc. Hons. (Madras—'37) M.Sc. Animal Nutrition. (McGill, Canada—'48)	Doing physiological investigation of clothing Published papers on nutritional qualities of flax seed meal.	Pres.—Physiology Branch, T.D.E. Labs, P. Box 320, Kanpur. Perm.— Kumarapuram, Alwaye, Trauvancore	Sr. Scientific Assistant	STO-G.
6056	Mathur, Manohar Lal.	1917	B.Sc. (Agra—'37) M.Sc. (Agra—'39) Assoc.I.A.R.I. (New Delhi—'48) A.R.I.C. (London—'45) Ph.D. (Agra—'49)	14 years research work in biochemistry and nutrition, published papers on the same.	Pres.—Indian Veterinary Research Institute, Izatnagar. Perm.— Bansi Bhawan, Civil Lines, Ajmer.	Asstt Research Officer. (Biochemistry)	R-(t.)
6057	Mukherjee, Nalin Kumar.	1918	B.Sc. Hons. (Calcutta—'38) M.Sc. spl. Biochem. (Calcutta—'40) F.I.C.S.	Worked in the T.D.E. laboratories as Analytical & Research Chemist for 4 years. At present engaged in coordination, collection & dissemination of technical information and writing of reports.	Pres.— T.D.E. Labs, P. Box No. 320, Kanpur Perm.— 117, Amherst Street, Calcutta 9.	Sr. Scientific Assistant	Scientific editing & publication
6058	Murthy, Haravu Bhashyam Narasimha.	1928	B.Sc. (Mysore) M.Sc. (Nagpur—'49)	Published papers dealing with nutritional biochemistry.	Pres.—Central Food Technological Research Institute, Mysore. Perm.—1130/10, Prince of Wales Road, Chamarajapuram, Mysore	Jr. Scientific Assistant.	R-SG.
6059	Murthy, Venkatesiah Sreenivasa.	1924	B.Sc. (Mysore) M.Sc. (Bombay)	Engaged in research work on problems connected with dairy bacteriology, contributed a paper 'Studies on vitamin B <sub>12</sub> assay'.	Pres.—No. 8, North Road, Bangalore 4. Perm.— C/o M. Subba Rao, Srinivasa Rice Mills, T. Narasipur, S India.	Asstt. Bacteriologist	R-(t.)
6060	Nandy, Birandra Lal.	1909	M.Sc. (Calcutta—'27) D.I.C. (London—'32) Ph.D. Chem. (London—'39) A.R.I.C. Food & Drugs. (London)	Snake venom therapy and the preparation of polyvalent anti-venom serum besides about 8 years teaching work, published papers.	Pres.— Nandy & Co., Calcutta. Perm.—51, Sambunath Pandit Street, Calcutta 25.	(a) Chief Chemist (b) Lecturer in Appl. Chem. (Calcutta University)	STO-I. T-S(t.)

## BIOLOGICAL CHEMISTRY—Contd.

S No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6061	Narasimham, A.S.	1910	B.A. (Madras—'31)	About 17 years work in different capacities, on the production of cholera & plague vaccines and field work in plague epidemiology besides training personnel for plague work, contributed notes on the ecology of plague.	Pres.—Haffkine Institute, Parel, Bombay Perm.— Do.	Asstt. Bacteriologist.	STO-G.
6062	Narayanan, E.K.	1908	M.A. Chem. (Madras—'34) M.Sc. Biochem. (Madras—'39) A.R.I.C. (London)	Nearly 18 years research work in biochemistry and physical chemistry applied to medicine. At present conducting research related to pathogenesis of cholera. Published papers on enzymes of V. Cholerae, preparation of dry blood proteins, mannose & peptones and mother enzymes.	Pres.—Central Research Institute, Kasauli. Perm.—C/o K. Rama Iyer, Advocate, Ernakulam, S. India.	Asstt. Director (Biochemistry)	R-G.
6063	Nayudu, S Phanindranath.	1914	B.Sc. (Nagpur—'37) LL.B. (Nagpur—'39)	Preservation of equipment and stores susceptible to biological damage.	Pres.—No. 2 Equipment Depot, I.A.F. Station, Bombay. Perm.—C/o Shri S.C.M. Nayudu, Extra Asstt Commr., Mandla, M.P.	Equipment Preservation Officer.	STO-G.
6064	Norton, Peter	1923	B.Sc Hons (Bombay—'44) M.Sc Biochem. (Fordham, U.S.A.—'47)	...	Pres.—National Defence Academy, Dehra Dun. Perm.—67, Perry Cross Road, Bandra, Bombay	Lecturer in Chemistry.	T-G
6065	Palande, Balawant Narashar.	1922	B.Sc. Hons. (1948) M.Sc. Org. Chem. (1951)	Since 1946 working on the manufacture of vitamin & sulphathiazole tablets.	Pres.—Dept. of Chemotherapy, Haffkine Inst., Bombay. Perm.— Ramchandra Bldg, Top Floor, Room No. A-33, Girgaum, Bombay 4.	Technician.	STO-G.
6066	Pandalal, Krishnan Madhusudanan	1908	B.A. Chem. (Madras—'30) M.Sc. (Allahabad—'32) A.R.I.C. (London—'36) Ph.D. Biochem. (Andhra—'57)	During 20 years research work carried investigations on the biochemistry of soil processes, antibiotic agents, plant chemistry, manures, fertilizers and agricultural chemistry, published several papers on the above subjects. Worked for 6 years in the teaching line.	Pres.—Central Coconut Research Station, Kayamkulam, P.O. Ochira. Perm.—Mampale Mattoom, Mavelikara.	Soil Chemist.	R-SG.
6067	Patel, Shanker. Vishnu	1928	M.Sc. (Nagpur—'53)	2 years teaching work.	Pres.—C/o Shrimati Jhela Bai, Head Mistress, 276, Sukrawari-Bajaria, Hanumanthal, Jubbul-pore. Perm.—180, Amla-Ward, Mandla.		Un.

## BIOLOGICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6068	Patil, Nathuram Dashrath.	1922	B.Sc. (Nagpur—'46) M.Sc. spl. Biochem. (Nagpur—'52)	...	Pres.—Near Meat Market, Ambedkar Town, Dharampeth, Nagpur. Perm.— Vill & Post Bela, Distt. Nagpur.	...	Un.
6069	Pradhan, Vasant Gopal.	1924	B.Sc. (Bombay—'46) M.Sc. (Bombay—'51)	6½ years research work in biochemical & phar- maceutical subjects, published papers on the microbiological stan- dardization of liver ex- tracts.	Pres.—Uipla Laboratories Ltd., 289, Bellasis Road, Bombay 8. Perm.—O/o T.G. Pradhan, Pleader, Nasik.	Research Che- mist.	R-I.
6070	Raghavachari, T.N.S	1888	B.A. (Madras—'11)	For 29 years worked on sewage purification and other problems concern- ing water bacteriology, published a number of papers on the same and on fluorosis and algal problems.	Pres.—1, Vedagiri Mudaliy Street, St. Thomas Mount, Madras 16.	...	Retd.
6071	Raghunath, Madhu Vithal.	1919	B.Sc. (Bombay—'49) M.Sc. Microbiology. (Bombay—'48)	Worked for 5 years in the teaching line, pub- lished papers on micro- biological problems.	Pres.—White House, Opp. Bandra Police Court, Bandra, Bombay 20. Perm.— Do.	...	Un.
6072	Ramamurti, Krishna- murti.	1919	B.Sc. (Madras—'37) B.Sc. Hons. (Annamalai—39) M.A. Chem. (Anna- malai—40) A.R.I.C. (London—'50)	6½ years teaching work, published several papers on biochemical subjects.	Pres.— Biria College, Pilani, Rajasthan. Perm.— 11, Ramachari Street, Kosaipet, Vellore	Asstt. Prof. of Chemistry.	T-NG.
6073	Raman, M.C.	1926	M.Sc. spl. Biochem. (Travancore—'48)	For 3 years worked as Lecturer in chemistry.	Pres.— Sulphate Plant, Sindri Fertilizers & Chemicals Ltd., Sindri, Bihar. Perm.— Mankulathu Madom, Thalavady, Travancore.	Jr. Chemist.	STO-I.
6074	Ramasa, Pulugurtha Atchutha.	1924	B.Sc. (Andhra—'44) M.Sc. spl. Foods & Drugs. (Andhra—'46)	Teaching chemistry to Inter & B.Sc. classes.	Pres.—Govt Arts College, Madras 2. Perm.— Do.	Asstt Lecturer in Chemistry.	T-G.
6075	Rao, Nyashadham Prabhakara.	1922	B.Sc. Hons. (Andhra —'49) M.Sc. Plant Chem. (Andhra—'48) LL.B. (Saugor—'48) A.R.I.O. (London—'51)	Preservation of defence stores liable to biologi- cal and non-biological deterioration and pest control. Published papers on flavones, pest control, vitamins, food, antibiotics, etc.	Pres.— Inter Services Stores Preservation Organisation, Head Quarters Eastern Com- mand, Ranchi. Perm.—O/o Dr. N.J.B. Murty, Medical Officer, Edlapalli, via Tenali, Madras State.	Jr. Scientific Officer.	STO-G
6076	Rawat, Jawardan Singh.	1917	B.Sc. (Allahabad) M.Sc. (Allahabad)	About 9 years of research and teaching work in biochemistry, published papers.	Pres.— U.P. College of Veterinary Science, Mathura. Perm.— Rawatpur, Al- mora.	Lecturer in Biochemistry	TR-G.

## BIOLOGICAL CHEMISTRY—Contd.

S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6077	Ray, Surendra Nath	1908	M.Sc. (Calcutta—'31) Ph.D Biochem. (Cambridge—'34) Training in animal nutrition (Aberdeen) D.Sc. Honoris Causa (Brazil—'38)	Worked in the teaching line for 5 years. Engaged in investigations on all aspects of animal nutrition physiology, vitamins and trace elements, published a number of papers.	Pres.—Indian Veterinary Research Institute, Izat- nagar. Perm.—34, Allenby Road, Calcutta 20.	Research Officer.	R-G
6078	Roy, Chandra, Amresh	1902	B.Sc. (Banaras—'28) M.Sc. (Allahabad—'27) D.Phil Org Chem (Allahabad—'41) F.O.S. (London) A.R.I.C (London)	Worked for 17 years in the teaching line. Ex- perience in biochemical work concerning medi- cinal plant products, blood, sera, oils & oil products; published papers on the above subjects.	Pres.— Industrial Re- search Laboratory, Govt. of Bihar, Science Col- lege Bldg., Poona 5 Perm.— Do	Chemist.	R-G.
6079	Roy, Arbinda.	1916	B.Sc. Hons. (Calcutta —'36) M.Sc. (Calcutta—'38) Ph.D Biochem (Lon- don—'46)	10 years of research work in endocrinology, published several papers on endocrinology, bio- chemistry & physiology problems.	Pres.— Veterinary Col- lege, Mathura. Perm.— 55/E, Garcha Road, Calcutta 19.	Professor of Physiology.	TR-G.
6080	Roy, Bidhan Ranjan.	1924	B.Sc. Hons. (Calcutta) M.Sc. spl. Biochem. (Calcutta) D.Phil (Calcutta) F.I.C.S.	Since 1946 engaged in re- search work concerning biochemistry of food & nutrition, microbiology & fermentation, oils & fats especially vanas- pati; published a number of papers on the above subjects.	Pres.— Dept. of Appl. Chem., University College of Science & Tech., 92, Upper Circular Road, Calcutta 9. Perm.— 18, Jadual Mul- lick Road, Calcutta 6.	Research Asstt (C.S.I.R.)	R-S.
6081	Rudra, Maendra Nath.	1899	M.Sc. Appl. Chem. (Calcutta—'22)	25 years teaching work besides doing research in nutrition and vita- mins, published a number of papers.	Pres.— Darbhanga Medi- cal College, Lahiria- sarai, Bihar. Perm — Do	Professor of Biochem.	TR-G.
6082	Sahadeo, Manohar Ambadas	1919	M.Sc. (Nagpur)	For the last 9 years serving in M.P. Educa- tional Service.	Pres.—College of Science, Raipur, M.P. Perm.— Do	Lecturer in Chemistry.	T-G.
6083	Sahai, Karta	1905	B.Sc. Hons. (Allah- abad—'28) M.Sc. (Allahabad—'29) Ph.D Physiology & Biochem. of Nutri- tion. (Agra—'48)	28 years teaching and research work in nutri- tion, published papers.	Pres.— Indian Veterinary Research Institute, Izatnagar, U.P. Perm.— Do.	Asstt. Research Officer. (Training)	TR-G.
6084	Sapru, Girdharilal. (F/Lt.)	1907	B.Sc. (Punjab—'27)	Pest control and preser- vation of ferrous & non- ferrous stores.	Pres.— No. 220, Cadell Road, Bombay 16. Perm.— Sapru Cottage, Simla 5.	Deputy Chief Equipment Officer.	STO-G.
6085	Sarin, Rajinder Nath.	1922	B.Sc. Hons. (Punjab —'42) M.Sc. Fermentation. (Punjab—'48)	Since 1946 doing teach- ing work.	Pres.— Govt. College, Rohtak. Perm.— C/o Shri S.P. Sarin, P. & T. Quarters E-10, Karol Bagh, Delhi.	Lecturer in Chemistry.	T-G.

## BIOLOGICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6086	Sarma, Padubidri Subraya.	1917	B.Sc. Hons. (Madras —'38) M.Sc. (Madras—'41) Ph.D. (Wisconsin, U.S.A.—'46) F.R.I.C. (London) F.A.Sc. (India)	Guiding research in biochemistry and nutrition to M.Sc. & Ph.D. students, published several papers in the above scientific fields.	Pres — University of Madras, Madras 25. Perm.— Do	Reader in Biochemistry	TR-SG.
6087	Sarjana, Ramachandri.	1926	B.Sc. Hons (Mysore —'46) M.Sc. (Mysore—'48)	Carried research work for 4 years in biochemical problems of vitamins, oils & fats and estimation of carbohydrates.	Pres — Lady Irwin College, Sikandra Road, New Delhi. Perm -63/1, Govindappa Road, Basavangudi, Bangalore.	Lecturer in Chemistry	T-N.G.
6088	Shah, Chandulal Chhotelal.	1905	B.Sc. (Baroda—'26) M.Sc. (Bombay —'29) Ph.D. (London—'32) F.I.C.S. F.C.S. (London) F.R.I.C. (London)	18 years of teaching soil science & agricultural chemistry and doing research problems with special reference to dairy chemistry, animal nutrition and soil science, published a number of papers on nutrition, dairying, soil & plant chemistry.	Pres.—Institute of Agriculture, Anand. Perm.— 15, Goyagate Housing Society, Baroda 4.	Prof. of Chem & Head of the Division of Animal Nutrition & Dairy Science.	TR-G
6089	Shrikhande, Jageshwar Gopal.	1904	M.Sc (Nagpur) Ph.D. Agri. Chem. (London) A.R.I.C. (London)	25 years experience of teaching and research in agricultural chemistry, plant biochemistry and general microbiology, published a number of papers on these subjects.	Pres.— Govt Agricultural College, Kanpur.	Principal & Prof. of Chem	TR-G.
6090	Sreerangachar, Hemmige Bilitiranga- char.	1909	B.Sc. (Mysore —'29) M.Sc. Biochem. (Bombay —'33) A.I.I.Sc. (Bangalore —'33) D.Sc. Biochem. (Bombay—'46) F.R.I.C.(London—'47)	Plant biochemistry especially chemistry of tea, enzymes, pharmaceutical quality control and production control in pharmaceuticals. Published a number of papers concerning the above subjects.	Pres.— Sarabhai Chemicals, P O Box 31, Baroda. Perm.— Do.	Production Manager.	STO-I.
6091	Sekantan, T.N.	1929	B.Sc. (Madras—'48) M.Sc. Biochemistry (Poona—'51)	Analysis and testing of ingredients & explosives gun cotton & cordite and opium alkaloids.	Pres.— 65/villa, Ordnance Estate, P O Armapore, Kanpur. Perm. — 2, Hensman Road, T. Nagar, Madras 17.	...	Un.
6092	Srinivasan, Kolar Subramanyam.	1925	B.Sc Hons. (1947) M.Sc. Cytology. (1948) F.I.C.S.	6 years research work concerning soil chemistry, plant chemistry and soil microbiology, published papers on synthesis of vitamins, etc.	Pres.—Dept. of Biochem., Indian Inst. of Science, Bangalore 3 Perm — C/o Shri K.V. Subramanyam, Pleader, Kolar.	Research Ass'tt.	R-S
6093	Srinivasan, Ragava Iyer.	1928	B.Sc. Hons. (Anna- malai—'48) M.A. Chem. (Anna- malai—'50)	Water analysis and its application to fisheries science, published papers on the same	Pres.— Fresh Water Biological Research Station, Kilpauk, Madras 10. Perm — Do.	Hydrologist (Fisheries)	R-G.

## BIOLOGICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6094	Subramanian, K.	1915	B.Sc. (Madras—'35) M.Sc. (Banaras—'38)	...	Pres.—75, Sanjeevarayan Koil Street, Tondiarpet, Madras 21. Perm.— C/o Sri N. Para- meswaran, 1478, Krishna Murthy Puram, Mysore.	...	Un.
6095	Subramanian, Narayanaswamy.	1927	B.Sc. (Madras—'46) M.Sc. spl Nutrition. (Madras—'49)	Studies in nutrition with special reference to protein & mineral metabolism and chemi- cal analysis of food- stuffs.	Pres.— Central Food Technological Research Institute, Mysore. Perm.— 26, Big Street, Pattukkottai, District Tanjore.	Jr. Scientific Assistant.	R-SG.
6096	Sunawala, Soli Dosa- bhai. (Captain)	1908	M.Sc. (Bombay—'32) A.I.I.Sc. (Bangalore —'32) A.R.I.C. (London—'44)	Inspection of foodstuffs, published several papers on analytical chemistry.	Pres.—Det. Composite Food Laboratory, Fort William, Calcutta 22. Perm.—5A, Mosque Road, Fraser Town, Bangalore 9.	Officer In- charge.	STO-G.
6097	Sundararajan, Ambil Rajagopal.	1911	B.Sc. Agri. (Madras —'32) M.Sc. Org. Chem (Banaras—'35) Ph.D. Nutrition. (Madras—'47) Special training in Nutrition. (Cornell —'50) A.R.I.C. (London)	Teaching and research in biochemistry and nutri- tion, published papers on the same.	Pres.—All India Inst. of Hygiene & Public Health, 110, Chittaran- jan Avenue, Calcutta 12.	Associate Prof. of Biochem. & Nutrition	TR-G.
6098	Sur, Bimal Kumar.	1926	M.Sc. (Nagpur—'47)	Engaged in the prepara- tion of a directory of food industries, writing popular & semi-techni- cal leaflets and bulletins. Published a paper on nutritional studies on lucerne.	Pres.—Divn. of Informa- tion & Statistics, Food Technological Research Institute, Mysore. Perm.— O/o Rai Sahib R.N. Sur, Old Police Lines, Raipur.	Jr. Scientific Assistant.	Scientific editing & publi- cation.
6099	Swaminathan, Maha- dera.	1912	M.Sc. (Annamalai—'35) D.Sc. Biochem. (Mad- ras—'40)	Since 1935 doing research work in the field of biochemistry and nutri- tion including teaching work from 1942-47, pub- lished a number of pa- pers on different aspects of food and nutrition.	Pres.— Central Food Technological Research Institute, Mysore. Perm.— Do.	Jr. Scientific Officer.	R-SG.
6100	Talapatra, Subodh Kumar	1910	Ph.D. Biochem. (Bom- bay—'45) D.Sc. (Bombay—'53)	For 7 years worked as Asstt. Research Officer (biochemistry) in I.V.R.I. Izatnagar and 5 years as Physiological Chemist, Govt. of Assam. At present engaged in teaching and conducting research in animal nutrition. Published papers on nutritive value of Indian cattle feeds, studies in fodder conservation & process- ing and studies in milk production.	Pres.— U.P. College of Veterinary Science & Animal Husbandry, Mathura. Perm.— Do.	Prof. of Animal Nutrition.	TR-G

## BIOLOGICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6101	Tandon, Girdhari Lal.	1904	B.Sc. Hons. (Punjab—'28) M.Sc. (Punjab—'29)	Since 1929 doing research & advisory work on fruit and vegetable preservation, published numerous papers on the same.	Pres.— Central Food Technological Research Institute, Mysore. Perm.— C/o Dr. Bansil Ram Tandon, L.M.P., P.O. Nakodar, District Jullundur.	Jr. Scientific Officer.	R-SG.
6102	Vaidya, Ranjit Mahasukhrai.	1914	B.Sc. (Bombay—'38) Ph.D (Bombay—'41) A.R.I.C. (London—'46)	Human biochemistry & biophysics and physiological chemistry. Published papers on these subjects.	Pres.— B.J. Medical College, Ahmedabad. Perm.— 139A, Nathalal Bhuvan, Vithalbhai Patel Road, Bombay 4.	Lecturer in Biochem. & Biophysics.	T-G.
6103	Varadaschar, Kuppam Srinivasa Iyengar.	...	B.A. Hons. Chem. (Madras—'29) M.A. Chem. (Madras—'30) M.Sc. Plant Physiology. (Madras—'39) A.I.I.Sc. (Bangalore) A.R.I.C. (London)	Inspection, development and laboratory work connected with military explosives. Published papers on (a) the mechanism of synthesis of proteins in plants, (b) the estimation of mercury in viscera and (c) a method for the estimation of chlorine in bleaching powder.	Pres.— Quarter A-2, Cordite Factory Estate, Aruvankadu, Nilgiris Perm.—C/o T.D.E. (M.E.), Kirkee, Poona 3.	Asstt. Supdt. of Development.	STO-I.
6104	Venkatesan, Tiruven-gadu Ranganathan.	1916	B.Sc. Hons. (Anna-mai—'38) M.A. Chem. (Anna-mai—'41) M.Sc. Biochem (Madras—'41) A.R.I.C. (London)	Experience in testing, storage and transportation of explosives & ammunition. Published papers on urea formation in plants and succinoxidase system in plants	Pres.—Storage & Transport of Explosives Committee, C/o T.D.E. (M.E.), Kirkee, Poona. Perm.—C/o T.R. Ranganathan Iyer, Manga-mada Agra-baram, Tiruven-gadu, District Tanjore.	Asstt Secretary	STO-(i).
6105	Virmani, Sarup.	1923	B.Sc. Hons. (Punjab—'44) M.Sc. Tech. (Punjab—'45)	Food analysis & food technology and its quality control, published papers on the blanching time of vegetables and guava products, etc.	Pres.— A.O.C. School, Jubbulpore Perm.—C/o Shri Mathra Dass Virmani, House No. E/6/38A, Ashraf-abad, Lucknow	Civilian Education Officer.	T-(i).
6106	Vora, Vinayak Chhotalal.	1925	B.Sc. Hons. (Bombay—'45) B.Sc. Tech. spl. Pharmaceuticals & Fine Chemicals. (Bombay—'47) Dip. in General Microbiology. (London—'50) Ph.D. Biochem. (London—'51)	Carried researches in biochemistry as related to chemistry of micro-organisms and antibiotics.	Pres.—C/o M.R. Kirtikar, 244, Corner of 7th & 11th Roads, Khar, Bombay 21. Perm.— C/o O.H. Vora Esq., Opp. K.B. Work-shops, Dandya Bazar, Baroda.	...	Un.
6107	Zubairy, Wahid.	1919	B.Sc. (Agra—'33) M.Sc. spl. Spectro-scopy. (Aligarh—'35) B.T. (Aligarh—'37)	11 years research work on problems connected with animal nutrition, published papers on the same.	Pres.—Animal Nutrition Division, Indian Veterinary Research Inst., Izatnagar. Perm.— Kanghi Tola, Bareilly.	Research Asstt.	R-G.



# PHARMACEUTICAL CHEMISTRY

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6108	Abhyankar, Ram-chandra Sitaram,	1929	B.Sc. (Bombay—'50) B.Pharm. (Gujarat —'52)	...	Pres.— Station Road, Thana, Bombay. Perm.— Do	...	Un.
6109	Agrawala, Chandra Prakash.	1906	B.Sc. (Allahabad—'26) B.Pharm. (London —'38) Ph.C. (Gt. Brit.—'39) A.R.I.C (London) P.G. training in biological standardization of drugs.	Manufacture & analysis of drugs, pharmaceutical education & legislation and import of drugs.	Pres. -- Custom House, Madras 1. Perm -7-93, Tilaknagar, Kanpur.	Asstt. Drugs Controller.	STA-G.
6110	Anantanarayanan, Seshadrinathan.	1930	B.Sc. (Madras—'50) B.Pharm. (Madras —'53)	...	Pres.— 20, Dr. Ranga-chari Road, Mylapore, Madras 4. Perm.— Do.	...	Un.
6111	Bal, Surendra Nath.	1890	Ph.C. & B.S. (Michigan—'12) M.S. (Michigan—'13)	About 34 years varied experience concerning pharmacognosy, general pharmacy and economic botany including teaching work from 1918-22; published papers concerning the same.	Pres.— 10, Hindusthan Park, Calcutta 29. Perm.— Do.	...	Retd.
6112	Balakrishnan, Hari.	1929	B.Sc. (Madras—'48) B.Sc. Pharm. (Madras —'50)	2 years work in the analysis of drugs and chemicals.	Pres.— Inspectorate of General Stores Laboratories, Bombay 1 Perm,— 9/99, Edward Elliott Road, Madras 4.	Jr. Scientific Assistant.	STO-G.
6113	Balaraman, T S	1934	B.Sc. Hons. apl. Pharmaceuticals. (Andhra—'59)	...	Pres —18, Alamebuman-gapuram, Mylapore, Madras 4. Perm. — Do	...	Un.
6114	Balasubramanian, Munirpallam Sundaram.	1918	B.A. Chem. (Madras —'40) B.Sc. Pharm. (Madras —'45)	6 years work in the analysis of drugs and chemicals.	Pres.— Inspectorate of General Stores Laboratories, Bombay 1. Perm — C/o M.S. Sundaram, No. 9, North Street, Kallaspuram, Thirunelvelly.	Jr. Scientific Assistant.	STO-G.
6115	Basu, Nitai Krishna.	1902	B.Sc. (Calcutta —'29) M.Sc. Appl. Chem. (Calcutta—'24) F.R.I.C. (London) F.I.C.S. F.I.C. (India)	Pharmaceutical chemistry, pharmacy, biochemistry, industrial fermentation & analytical chemistry besides doing teaching work since 1934; published a number of papers on these subjects.	Pres.—Hindu University, Banaras 5. Perm.— Do	Prof & Head of the Dept of Pharmaceuticals.	TR-SG.
6116	Bhalerao, Bhaskar Ramchandra.	1914	B.Sc. Pharm. (Banaras—'35)	Manufacture & control of spirituous galenicals, alcoholic fermentation & distillation, manufacture of ayurvedic medicines, injectables, etc.	Pres.—C/o M/s. Ayurved-abram Pharmacy Ltd., Ahmednagar. Perm.— C/o Shri D R. Bhalerao, Pleader, Buldana, Berar.	Production Manager	STO-I.

## PHARMACEUTICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6117	Bhatt, Harshavadan Dalpatram.	1928	B.Pharm. (Gujarat —'52)	...	Pres.— O/o Shri K.V. Sheth, 172A, Love Lane, Byculla, Bombay 27. Perm.— O/o Shri N.D. Bhatt, P.O. Vallabh Vidyanagar, Anand, Bombay.	...	Un.
6118	Chakravarti, Amal-kumar.	1930	B.Sc. (Calcutta—'48) B.Pharm. (Banaras —'51)	Manufacturing of injectables	Pres.—39A, Ghosh Lane, Calcutta 6. Perm.— U/o Kishore Library, 27, Cornwallis Street, Calcutta 6.	Chemist.	STO-P.
6119	Chakravarthy, Durga Pada.	1912	B.Sc. (Calcutta—'35)	Analytical work and B.P & B.P.C. preparations.	Pres.— M/s Bathgate & Co. Ltd., 17, Old Court House Street, Calcutta. Perm.—61/2, Pyari Mohan Roy Road, Calcutta 27.	Pharm. Chemist.	STO-I.
6120	Chandra, Sunder. Shyam	1920	M.Sc. Appl. Chem. (Calcutta—'42)	Preparation of organo-metallic, chemo-therapeutic, B.P. & B.P.C. pharmaceuticals both spirituous and non-spirituos.	Pres.— M/s Bathgate & Co. Ltd., Calcutta. Perm.—282, Chittaranjan Avenue, Calcutta.	Pharm. Chemist.	STO-I.
6121	Chayanolu, Mantrala Ananta Padma-nabha.	1919	B.A. Chem. (Andhra —'39) B.Pharm. (Banaras —'48)	Worked for 8½ years in the chemical analysis, manufacture of chemical and purification of chemicals.	Pres.—8/184, Aryanivas, Aryanagar, Kenpur. Perm.—Gollaprolu, Distt. E. Godavari.	...	Un.
6122	Chetal, Babu Ram.	1927	B.Sc. (Punjab—'48) B.Pharm. (Punjab —'52)	...	Pres.—O/o M/s Raptakos Brett & Co. Ltd., Dr. Annie Besant Road, Worli, Bombay 18. Perm.— Do.	...	Un.
6123	Chudgar, Bharat-kumar Manubhai.	1930	B.Pharm. (Gujarat —'51)	...	Pres.— 1619, Malini Khadki, Mandvi Street, Ahmedabad. Perm.— Do.	...	Un.
6124	Das, Amarendralal.	1919	B.Sc. (Calcutta—'39)	Since 1939 engaged in preparation of pharmaceuticals, published several papers and taken patents.	Pres.—M/s Albert David Ltd., 16, Chittaranjan Avenue, Calcutta 18. Perm.—80/7, Grey Street, Calcutta 6.	Research Chemist.	STO-I.
6125	Das, Keshab Lal.	1909	B.Sc. (Calcutta—'38) F.I.O.S.	Over 17 years work in the manufacture of medicinal tablets, spirituous & non-spirituos B.P. & B.P.C. preparations and extraction of alkaloids from herbs. Published papers on vitamin C content of Indian fruit and vegetables.	Pres.— C/o M/s Smith Stanistreet & Co. Ltd., 18, Convent Road, Calcutta 14. Perm.—O/o P.N. Roy, 94, Kaliprasad Banerjee Lane, Howrah.	Chemist.	STO-I.

## PHARMACEUTICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6126	Das, Premananda.	1887	Ph.C. (Michigan—'11) B.S. Pharm. (Michigan—'12) M.S. Pharm. (Michigan—'13) P.G. Dips. in Clinical Pathology & Bacteriology. (Harvard—'13) F.C.S. (U.K.)	Extensive experience in the manufacture of pharmacopial & indigenous medicinal products and also in journalism in the pharmaceutical and allied lines.	Pres.—Stadco Stores & Laboratories Ltd., Batabazar Mawkhari Corner, Shillong, Assam. Perm.— "NIRALA", Temple Road, Shillong	Managing Director.	STO—I.
6127	Das Gupta, Pradyot Kumar.	1910	B.Sc Hons (Calcutta) M.Sc. Org Chem (Calcutta)	Preparation of synthetic drugs, pharmaceuticals and cosmetics; published papers on antimalarials, antiseptics and sulpha-drugs	Pres.— Bathgate & Co. Ltd., Calcutta Perm — 69, Raja Nabi Kissen Street, Calcutta 5.	Research Chemist	STO—I.
6128	Dhir, Mohan Lal.	1917	B.Sc. Pharm. (Banaras—'38) Ph.C. (Banaras—'39)	14 years work in the analysis of drugs and chemicals.	Pres — Inspectorate of General Stores Laboratories, Bombay 1 Perm — C/o Dewan Har-namdas, Jagatjit Bazar, Kapurthala, PEPSU.	Sr. Scientific Officer	STO—G.
6129	Doshi, Prafulchandra Keshavlal.	1930	B.Sc Hons. (Bombay —'50) B.Sc. Tech. spl. Pharmaceuticals and Fine Chemicals. (Bombay —'52)	...	Pres — Savli, District Baroda. Perm — Do.	...	Un.
6130	Gauba, Narendra Lal.	1924	B.Sc. (Punjab—'43) B. Pharm. (Banaras —'49)	3 years work in the analysis of drugs and chemicals	Pres.— Inspectorate of General Stores Laboratories, Bombay 1. Perm — C/o Capt. M L Gauba, 17/3, B.I. Lines, Jullundur Cantt	Jr. Scientific Assistant	STO—G.
6131	Ghosh, Bhushan. Benoy	1900	B.Sc. Hons. (Calcutta —'22)	24 years work in the manufacture of spirituous, medical & galenical preparations and 5 years in causticisation and bamboo-pulp making	Pres.— B.C.P.W. Ltd., Calcutta. Perm.— 58/1/2, Raja Divendra Street, Calcutta 6	Pharm Chemist	STO—I.
6132	Ghulati, Kanwar Raj.	1919	B.A. (Punjab—'39) B. Pharm. (Banaras —'46)	Manufacture of general pharmaceuticals	Pres.— Emson & Co., Chemists, Hazratgunj, Lucknow. Perm — Do.	Proprietor.	STO—I.
6133	Guha, Chandra. Subodh	1914	B.Sc (Calcutta—'34)	Manufacturing of drugs from (i) animal glands (ii) enzymes (iii) vitamins (iv) proteins according to the standards	Pres.— Bengal Immunity Co Ltd, 153, Dharmatala Street, Calcutta. Perm — 23C, Gopal Chandra Chatterjee Road, P.O. Cossipur, Calcutta 2	Head of Bio-chem Dept.	STO—I.
6134	Gupta, Sudhansu Mohan.	1900	B.Sc. (Calcutta—'22)	20 years experience in preparation of pharmaceuticals of non-spirituos type, tablets and food products namely syrups.	Pres.— 11, Jatin Mitter Lane, Calcutta 4. Perm.— Vill. Nachipur, P.O. Tarakeshwar, District Hooghly	Manufacturing Chemist	STO—I

## PHARMACEUTICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6185	Hamed, Khwaja A	1898	B Sc (Allahabad—'19) M A (Berlin—'26) Ph.D (Berlin—'26) F R I C (London) F A So (India) F Am Chem Soc. F S C I (U K ) F C S (London)	Industrial research & production concerning chemical & pharmaceutical industry and promotion of chemical industries, their organisation & management besides his interest in university education and teaching profession Member of a number of scientific & industrial research and advisory boards & committees	Pres.— The Chemical, Industrial & Pharmaceutical Laboratories Ltd., Bombay. Perm — 289, Bellasis Road, Byculla, Bombay	Chairman & Chief Chemist	R.I. STA—I.
6186	Jogayya, Mantha.	1928	B Sc Hons Tech (Andhra—'50) M Sc Tech. spl Pharmaceutics (Andhra—'51)	...	Pres — 51, Royapettah High Road, Mylapore, Madras 4 Perm.— S/o Mantha Visweswara Rao Garu, Butchamma Agraharam, P O Amalapuram, Distt E. Godavari	...	Un.
6187	Joshi, Prabhakar Sitaram.	1929	B Sc (Bombay—'50) B.Pharm. (Gujarat —'52)		Pres — 88 B, Soman Buildings, Kennedy Bridge, 19, Girgaum Road, Bombay 4 Perm.— Do	..	Un
6188	Kaitha, Krishan Kumar.	1926	B Sc (Punjab—'47) B Pharm (Punjab —'51)		Pres — C/o Sh. Dev Raj Kaitha, P.W.D Electricity Branch, G H Q Building, Simla. Perm — Vill. & P.O Sullah, Teh Palampur, Distt Kangra	..	Un
6189	Kakkar, Bir Sain.	1918	B Sc Pharm (Banaras—'39)	9 years work in the analysis of drugs and chemicals	Pres.— Inspectorate of General Stores Laboratories, Bombay 1 Perm — Theosophical Colony, Juhu, Bombay	Sr Scientific Assistant	STO-G
6140	Kirtikar, Bapuji.	Dinker	Ph G (Columbia—'21) Ph C (North Carolina—'28) Phar D. (Illinois —'24)	Manufacture of pharmaceuticals, medicinal preparations, textile auxiliaries, perfumes, toilet articles, industrial chemicals, etc. Specialisation in dying, bleaching, finishing, mercerising, etc. besides erection of machinery and the production & applications thereof Published a number of papers mainly on the synthetic manufacture of dyes and pharmaceuticals from coal tar	Pres — 'Kashi Niwas', 10, Juhu Road, Santa Cruz, Bombay 28 Perm — Do.	...	Retd.

## PHARMACEUTICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks	
6141	Kulkarni, Narayan Damodar.	1926	B Sc Hons (Bombay —'51) B Sc Tech Pharmaceuticals. (Bombay —'58)	Technology of pharmaceuticals and fine chemicals	Pres.— Mulraj Building No.1, Tulsibag, Mahim, Bombay 16 Perm—Vill & P O Kavthe Ekaud, via Targaon, Distt Satara		Un	
6142	Lamsal, P P.	1925	M Pharm (Banaras)	Maintenance of sugar machinery and manufacture of sugar	Pres—C/o M/s Morang Sugar Mills Ltd., P O Joghani, Distt Purnea, Bihar. Perm—19/25, Netapacho Tole, Kathmandu, Nepal	Chief Chemist & Engineer	STO-I.	
6143	Luthra, Prakash	Suraj	1928	B Pharm. (Banaras —'50)	Pharmaceuticals and food stuffs including food analysis	Pres—15-D, Vijaynagar, Delhi 8 Perm— C/o M/s Des Raj Om Prakash, Chowk, Allahabad	Food Analyst	STO-G
6144	Majumdar, Nanubhai	Ranjit	1916	B Sc (Bombay) Ph D Chem. (Bombay) A R I C (London)	Specialised knowledge of initiating & developing pharmaceutical & fine chemicals production, technical & general works organisation	Pres— Sonawala Bldg., No 1A, Third Floor, Tardeo, Bombay 7 Perm— 24, Alkapuri, Baroda	Production Manager & Deputy Works Manager (May & Baker India Ltd.)	STO-I
6145	Majumdar, Sandhan	Ranjan	1926	B. Pharm (Banaras —'48)	Manufacture of drugs and galenicals.	Pres— I/c Dispensing Dept & Laboratory, M/s Deys Medical Stores Ltd, Calcutta Perm—59J, Garpar Road, Calcutta 9	Chemist	STO-I
6146	Mehta, Kanubhai	Mulchandbhai	1926	B Sc (Bombay—'48) B Sc Tech spl Pharm (Bombay —'50) M Sc Pharm (U S A —'51)	Manufacture of tablets including coating, analysis of drugs and injectables	Pres— G-5, Nootan Nagar, Bandra, Bombay 90 Perm—Mehta Khadki, Rajpipla, via Ankleswar	...	Un.
6147	Merchant, Shantilal Hiratal		1914	B Sc (Bombay—'37) B Pharm. (London —'40) Ph C Dip (Gt Brit. —'40)	2 years work in the manufacture of pharmaceuticals, 3 years in teaching pharmacy and 5 years in testing of imported drugs & pharmaceutical chemicals	Pres—Custom House, Calcutta Perm—C/o Jayantilal R Shroff, Ram Manor, Nepson Sea Road, Bombay 8.	Asstt Drugs Controller	STO-G
6148	Mukerjee, Niranjan		1917	B Sc (Banaras—'37)	Analytical & pharmaceutical work dealing mainly with chemical injectables	Pres— I/c Injectable Dept, M/s Bathgate & Co Ltd, Calcutta Perm—24/1, Sankarpuram Road, Bhowanipore, Calcutta 25.	Pharm Chemist	STO-I.
6149	Mukherjee, Mrityunjoy		1928	B Sc (Calcutta—'47) B Pharm. (Banaras —'51)	...	Pres— B C P W Ltd, Calcutta 11 Perm—80, Park Street, Calcutta 17.	Manufacturing Chemist	STO-I.

## PHARMACEUTICAL CHEMISTRY—Contd

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6150	Nayar, Kottil Viswanathan.	1919	B.Sc. Pharm (Madras—'48)	9 years service in a pathological laboratory	Pres.—Command Laboratory, Agram, Bangalore Perm -- Dhanvantari Vilas, Koduvayur, S Malabar	Laboratory Technician.	STO-G.
6151	Oza, Krishnakumar Keshavlal.	1926	B.Sc. (Bombay—'48) B.Sc. Tech. spl Pharm & Fine Chemicals (Bombay —'51)	Injectables, glandular preparations and tablet making.	Pres — "Arya Nivas", Kalbadevi Road, Bombay 2. Perm.— O/o Prof K.L. Oza, Nalini Vihar, Jaguath Area, Rajkot.	...	Appr.
6152	Paudya, Panna Chimanlal. (Miss)	1928	B.Sc. (Bombay—'50) B.Pharm. (Gujarat —'53)	...	Pres.— No 3, Play Ground Road, Vile Parle, Bombay 24. Perm.— Do.	...	Un.
6153	Parekh, Pannalal.	1912	B.Sc. Pharm Chem. (Banaras—'35)	Since 1944 looking after production of alcohol, pharmaceuticals and their analytical control.	Pres.— C/o The Vizagapattam Sugars & Refinery Ltd, Anakapalle, Distt. Vizagapattam Perm —K 40/37, Bhutai Imli, Banaras City.	Distillery Manager.	STO-I.
6154	Patel, Ratilal Prabhudas.	1909	M.Sc. Org. Chem. (Bombay—'31) Ph.D Pharmacological Chem (London —'36) F Am. Pharm. Assoc	For 15 years worked in a pharmaceutical concern Published papers concerning pharmaceutical chemistry and pharmacology.	Pres.— L.M. College of Pharmacy, Ahmedabad 9 Perm — Do.	Principal & Prof of Pharmaceutics	TR-NG.
6155	Pathak, Balaji Chand.	1926	B.Sc. Hons. (Calcutta —'45) M.Sc. spl Pharmaceuticals. (Calcutta —'47) D.Phil. Science. (Calcutta —'52)	From 1948-52 did research work in the manufacture of pharmaceuticals; published papers on the organo-arsenicals, antimonials and antispasmodics.	Pres — Department of Pharmaceutics, Saugor University, Saugor. Perm.— P.O. Nabdwip, Badrapara, Distt Nadia.	Lecturer.	T-SG.
6156	Prasad, Sankatha	1911	B.Sc (Banaras—'39) M.Sc. (Banaras—'35) Ph.D Pharm. Chem. (Wisconsin—'48) D.Sc Pharmacognosy. (Banaras—'49)	Since 1937 doing teaching & research work in pharmacognosy Published a number of papers concerning pharmacognostical aspects of Indian drug plants.	Pres.— Dept. of Pharmaceutics, Banaras Hindu University, Banaras Perm.— P.O. Shivpur, Distt. Banaras.	Reader in Pharmacognosy.	TR-SG.
6157	Rakshit, Projnan Kumar	1917	B.Sc. Pharm. (Banaras—'38) M.Sc. Tech. spl. Bio-chem. (Calcutta—'40)	Manufacturing and analysis of drugs & chemicals.	Pres.— Inspectorate of General Stores Labs, Bombay 1. Perm — 159, Sonarpura, Banaras.	Sr. Scientific Assistant.	STO-G.
6158	Ramaswamy, Sam-path Kumaran	1922	B.Sc. Pharm. (Madras —'42)	11 years work in the analysis of foods, storage of foodstuffs & canning and pest control.	Pres — Composite Food Laboratory (EC), Calcutta 21 Perm.— 46, Singarachari Street, Triplicane, Madras 5	Food Analyst.	STO-G
6159	Rao, G. Kameswara.	1919	B.Sc. Hons. Chem. tech. (Andhra—'39) M.Sc. Tech. spl. Pharmaceutics.	Analysis & manufacture of pharmaceuticals.	Pres.— T.D.E. Labs., P. Box No. 390, Kanpur. Perm.— Do.	Jr. Scientific Officer.	STO-G.

## PHARMACEUTICAL CHEMISTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6160	Rao, Hoskote Umesh	1922	B.Sc. Pharm. (Madras—'42)	11 years work in the analysis of drugs and chemicals.	Pres.— Inspectorate of General Stores Laboratories, Bombay 1 Perm—8/87, Govt. Housing Colony, Khar, Bombay 21	Sr. Scientific Assistant.	STO-G.
6161	Rao, Vemulakonda Lakshmi Narasimha	1926	B Pharm. (Banaras—'46) M.Pharm. spl. Pharmacognosy. (Banaras—'50)	Conducted research for 3 years on Indian medicinal plants and published research papers.	Pres— Bhubaneswar, Distt. Puri. Perm.— C/o Dr. V. Prakasa Rao, Berhampur, Distt. Ganjam	Drug Inspector (Orissa)	STO-G.
6162	Roy, Debendra Chandra.	1909	B Sc. (Dacca—'39)	Manufacture and analysis of pharmaceuticals and chemicals.	Pres.— 3B/1, Moth Lane, Calcutta 19. Perm.— C/o Sri Surendra Mohan Roy, 'Sarat Kunja', Jognath Tola, Nababwip	...	Un.
6163	Samudra, Rajaram Balkrishna.	1911	B Sc. (Bombay—'34)	Since 1937 engaged in pharmaceutical work	Pres— M/s Narang Industries Ltd., P.O. Sugar Factory, Nawabganj, Gonda. Perm.— 647, Narayan Peth, Poona 2.	Pharmaceutical Chemist	STO-I.
6164	Sankara Subramanian, Sthanu Subramania.	1920	B.Sc Hons. (Andhra—'44) M.Sc Tech. spl. Pharm. (Andhra—'45) D.Sc. Plant Products (Andhra—'50) A.R.I.C. (London—'50)	Published several papers on the chemical investigation of plant drugs Worked for 7 years in teaching pharmaceutical chemistry. At present engaged on the chemical investigation of Indian cardiac drugs.	Pres.— Dept. of Pharmacy, Andhra University, Waltair Perm.— Deep Street, Vadiveswaram, Nagercoil, S. Travancore	Jr. Research Assistant (C S I R )	R-S
6165	Sen Gupta, Anil Chandra.	1924	B.Sc. (Calcutta—'44) B.Pharm. (Banaras—'48) M.Pharm. (Banaras—'51)	Pharmaceutical chemistry and pharmacology.	Pres — Bengalee Lodge, Ramkrishnan Bazar, Kanpur.	...	Un.
6166	Shah, Dhondilal Ramchandra.	1924	B.Sc. (Bombay—'48) B.Pharm. (Bombay—'50)	...	Pres — C/o D.S. Athani, Shahupuri, Kolhapur Perm — 769, Guruwar Peth, Nipani, District Belgaum	...	Un.
6167	Shah, Hasmukhlal Himatlal.	1929	B Pharm. (Gujarat—'52)	...	Perm — C/o Raochandbhai H Shah, Punedra, via Dehgam, Distt Kaira.	...	Un.
6168	Shah, Jayantilal Mulchand.	1928	B Pharm. (Gujarat—'52)	...	Pres.— Chhani, Distt Baroda Perm.— Do.	...	Un.
6169	Shah, Navinchandra Chimanlal.	1930	B.Pharm. (Gujarat—'51)	Drug standardisation work.	Perm — 1318, Tatia's Pole, Sarangpur, Ahmedabad.	Medical Representative	STO-I

## PHARMACEUTICAL CHEMISTRY—Contd

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6170	Sheth, Shashikant Jhaverchand	1932	B Pharm. (Gujarat —'52)	...	Pres.— O/o Jhaverchand Nemchand Sheth, Nava Bazar, Miyagam Karjan, Distt. Baroda. Perm.— Do	...	Un.
6171	Shivanand, S Katti-shetter	1930	B Sc. (Karnatak—'50) B.Pharm. (Gujarat —'52)	Analytical work.	Pres.— Girgar Lodge, Bombay 4 Perm.— Karmankatta, Dharwar.	...	Un.
6172	Solanki, Vithal Narasinghass	1926	B Pharm. (Banaras —'48) M. Pharm. (Banaras —'49)	...	Pres — 99, National Hostel, Thakurdwar, Bombay 2. Perm — O/o Dr D N Solanki, 'Shantiniketan', Khasbag, Kolhapur.	...	Un
6173	Srivastava, R S	1910	B Sc (Lucknow-'32) M.Sc (Lucknow-'34) Ph D Pharm Chem (London—'51) A R I C (London) F C S (London)	15 years work in the analysis of foods and drugs, published papers on alkaloids & their salts and organic bases	Perm — O/o Public Analyst, U.P. Govt, Lucknow	...	STO-G.
6174	Subrahmanyam, Challa	1931	B Sc Hons (Andhra —'51) M Sc Tech. spl. Pharmaceuticals (Andhra —'52)	...	Pres -C/o Shri V Subbarao, Teacher, B.H School, Nutakki, via Mangalagiri, District Guntur. Perm.— O/o Sri Challa Subbarao Garu, Teacher, Mulestanam, via Alamur, Distt E. Godavary.	...	Un.
6175	Suryanarayana Murthy, Bhamidipati Venkata	1932	B.Sc Hons Chem. Tech. spl Pharmaceutical Botany (Andhra—'52)	...	Pres — C/o Madem Sanayal & Co., Main Road, Ellore. Perm.— 15/41, Pappula Street, Visakhapatnam	...	Un
6176	Talapatra, Chandra, Satis	1897	B Sc. (Calcutta—'20)	30 years work in the manufacture of pharmaceutical and galenical preparations.	Pres -Bengal Chemical & Pharmaceutical Works Ltd., Calcutta. Perm.— 164, Maniktola Main Road, Calcutta 11	Chemist.	STO-I.
6177	Vahora, Adambhai Ahmedbhai	1929	B.Sc. (Bombay—'50) B Sc Tech. spl Pharmaceuticals & Fine Chemicals. (Bombay —'52)	...	Pres —M/s Sanitex Chemical Industries Ltd., Baroda 3. Perm -Sutarwala, Anand	Research Chemist.	STO-I

# INDUSTRIAL CHEMISTRY & CHEMICAL TECHNOLOGY

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6178	Adhikari, Behari.	Nadia 1905	B.Sc. Hons. (Calcutta —'25) M.Sc. Org. Chem. (Calcutta —'27) F.I.O.S. F.I.C (India)	6 years of research work and 19 years of technical & managerial work in Bengal Chemical & Pharmaceutical Works. Published papers on complex compounds of iridium complexes of zinc & cadmium iodides.	Pres.—Bengal Chemical & Pharmaceutical Works, Calcutta Perm.—169, Vivekananda Road, Calcutta 6	Asstt. Mana- ger.	STO-I.
6179	Afale, Balavant.	Damodar 1918	B.Sc. (Banaras—'39) Dip. in Ceramics. (Banaras—'40)	Specialisation in porce- lain enamelling.	Pres.—High Explosives Factory, Kirkee, Poona Perm.—Sontak's House, Balrajmal, Kolhapur	Supervisor Che- mist	STO-I.
6180	Agarwal, Charan.	Durga 1926	B.Sc. (Agra—'46) A.H.B.T.I. Tech. of Oils & Fats. (Kanpur —'50)	Engaged in grading & marking of edible oils and production of vege- table oils.	Pres.— M/s Kamlapat Motilal Oil Mills, Kan- pur Perm.— 7/153, Sarup- nagar, Kanpur.	Chemist	STO-I.
6181	Agarwal, G.C.	1910	Dip. in Oil Chem. & Tech. (H.B.T.I., Kanpur—'33)	18 years work on the analysis and quality control of vegetable oils and fats including ghee, butter and vanaspati; contributed notes on the same.	Pres.—Subsidiary Con- trol Laboratory, Anand Bhawan, Gondel Road, Rajkot Perm.—Bhoor Bungalow, Buland Shah.	Sr. Chemist.	STO-G.
6182	Agarwal, Rameshwar Narain.	1911	B.Sc. (Agra—'31) M.A. English (Agra —'33)	20 years experience of sugar manufacture, pub- lished papers on sugar industry.	Pres.— O/o Godavari Sugar Mills Ltd., P.O. Lakshmiwadi, Distt Ahmednagar, Bombay State Perm.—2, Feroze Shah Road, New Delhi	Chief Chemist	STO-I.
6183	Agarwala, Raj Narain.	1915	B.Sc. Ind. Chem. (Banaras—'36) B.S. Sugar tech (Hawaii, U.S.A.—'38)	Running his own ice factory, cold storage, porcelain & enamel factories.	Pres.— Prag D.W. Ice Factory, Subzimandi, Delhi Perm.—16, Ram Kishor Road, Civil Lines, Delhi.	Proprietor.	STO-P.
6184	Aggarwala, Jagdish Chandera.	1920	B.Sc. Hons. (Punjab —'40) M.Sc. (Punjab—'41) Ph.D. (Washington —'48) A.R.I.C. (London) F.I.O.S.	10 years practical work in the manufacture of paper and pulp, pub- lished papers on the same.	Pres.—S.G. Paper Mills Ltd., P.O. Jamna Nagar, Distt. Ambala. Perm.—Rajinder Niwas, Khanna, Distt Ludh- iana.	Asstt Manager (Tech.)	STO-I.
6185	Agrawal, Shri Dhar.	1918	B.Sc. Glass tech. (Banaras—'40)	12 years experience in analysis of paints, drugs & chemicals.	Pres.— I.G.S. Labs., Ahmedabad House, Ballard Estate, Bombay 1. Perm.—O/o Ganga Dhar Agrawal, 4172, Vijay Nagar Colony, Hewett Park Road, Agra.	Sr. Scientific Assistant.	STO-G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6186	Ahluwalia, Dham Pal.	1929	B.Sc. Ind. Chem. (Banaras—'48) M.Sc. Tech. spl. Fine Chemicals (Banaras —'51)	...	Pres.— 18, Ram Bihar Palace, Kaushal Puri, Kanpur. Perm.— P.O. Kahnowan, Distt. Gurdaspur.	...	Un.
6187	Ahluwalia, Satinder Singh.	1918	B.Sc. (Punjab—'88) Timber Tech. Course (F.R.I., Dehra Dun —'49)	Since 1944 engaged in inspection of general stores particularly tim- ber and leather requir- ed for the Defence Ser- vices.	Pres.— C/o G.S.I.D., Anand Parbat, New Delhi 5. Perm.— Do.	Asstt. Inspector of Stores	STO-G.
6188	Ahooja, Shambhoo Nath	1907	B.Sc. (Punjab—'28) Course in Chemical control (I.I.S.T., Kanpur—'44) Training in soil ana- lysis and cane culti- vation.	Supervision of analytical work, preparation of returns and tabulation of collected data	Pres.— C/o The Punjab Sugar Mills Co. Ltd., Ghuguli (R.S.), Distt. Gorakhpur. Perm.— Do.	Laboratory Incharge.	STO-I.
6189	Ajmani, G.M.	1915	B.Sc. (1935) A.I.I.Sc. (Bangalore) A.R.I.C. (London)	10 years experience in the manufacture of paints & varnishes. Published papers on 'preparation of stoving paint from cashew-nut shell oil and activity of driers at high tem- peratures'	Pres.— Paint Factory, Jay Engineering Works, P.O. Box 2158, Calcutta Perm.— 36/F/1, Girish Mookerji Road, Calcutta 25	Manager & Chief Chemist.	STO-I.
6190	Amanullah Khan.	1927	B.Sc. (Allahabad—'47) A.H.B.T.I. Oil tech. (Kanpur—'49)	Carried investigations on the utilization of oil- cakes, forest oilseeds, preparation of activated carbons from waste of oil industry, manufac- ture of furfural, devel- opment of randomness in oils, etc. Published pa- pers on the utilization of oil cakes.	Pres.— Forest View Hostel, H.B.T.I., Kan- pur. Perm.— C/o Dr. M.U. Khan, Civil Surgeon, Rampur, U.P.	...	R-S.
6191	Amin, Babubhai Jivabhai.	1927	B.Sc. Hons. (Bombay —'47) B.Sc. Ceramic tech (Banaras—'51) M.Sc. Ceramic tech (Banaras—'52)	Doing problems for the improvement of pottery wares	Pres.— Crystal Glass Works, Sant Road (W.R.), Distt. Panch- mahal. Perm.— C/o Dr. Jivabhai, Lalubhai Amin, Virsad, Distt. Kaira.	Ceramic Asstt.	STO-I.
6192	Anup Chand (Lt.Ool.)	1915	B.Sc. Tech. (Punjab —'35) M.Sc. Tech. (Punjab —'36)	Worked for 5 years in the teaching line. Experi- ence in ammunition & chemical warfare weapons.	Pres.— H.Q. A.O.C. 1 Armd. Div., C/o 56 A.P.O., New Delhi Perm.— C/o Lal Chand, Advocate, 8/B, South Patel Nagar, New Delhi	Commander.	STA-G.
6193	Aridaman Nath.	...	B.Sc. Hons. (Delhi —'45) M.Sc. (Delhi—'46)	Manufacture of fine & heavy chemicals and acids.	Pres.— Himachal Govt. Rosin & Turpentine Factory, Nahan. Perm.— Ayroliffi, Simla 9.	Factory Mana- ger.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6194	Athawale, Vasant Dattatraya.	1926	B.Sc. (Agra—'45) A.H.B.T.I. Oil chem. & tech. (Kanpur —'47)	Manufacture of paints & varnishes, soaps, refin- ing & hydrogenation of oils.	Pres.—7/23, Tilak Nagar, Kanpur. Perm.— Do.	...	Un.
6195	Athawale, Yashawant Kashinath,	1911	B.Sc. (Bombay—'33)	15 years work in the manufacture of sugar by sulphitation process.	Pres.—C/o Ugar Sugar Works Ltd., P.O. Ugar Khurd, Distt. Belgaum. Perm.— Do.	Chief Chemist.	STO-I.
6196	Atma Ram.	1918	B.Sc. (Agra—'34) A.H.B.T.I. Oil tech. (Kanpur—'38) F.H.B.T.I. (Kanpur —'40)	Worked in factories on refining & hydroge- nation of oils. At present teaching to the post- graduate students and guiding research on problems connected with oils & fats, pub- lished papers on the same.	Pres.—Harcourt Butler Technical Inst., Kan- pur. Perm.— 5, Lachhman Bagh, P.O. Nawabganj, Kanpur.	Lecturer.	TR-G.
6197	Avasthy, Harnarain Singh.	1911	B.Sc. (Allahabad—'34) A.H.B.T.I. Sugar tech. (Kanpur—'36) F.I.I.S.T. Sugar tech. (Kanpur—'38)	About 15 years work in the manufacture of sugar, sugar-candy and confectionery besides analysis of soils and fertilizers.	Pres.—Burhwal Sugar Mills Co. Ltd., Burh- wal, Distt. Barabanki. Perm.—Vill. Kurni, P.O. Baral, Distt. Kanpur	Chief Chemist.	STO-I.
6198	Aziz, Mohammed Abdul.	1925	M.Sc. Oil. tech. (Osmania—'51)	...	Pres.—Shop 16, James Street, Secunderabad Dn. Perm — Do.	...	Un.
6199	Bageshwar, Sita Ram.	1914	B.Sc. Ind. Chem. (Banaras—'35) M.Sc. (Banaras—'37)	Since 1937 working on the manufacture of chemicals for laboratory use & allied products and teaching the same to the students.	Pres.—Fine Chemicals Section, Banaras Hindu University, Banaras 5. Perm.— Do.	Lecturer in Industrial Chemistry.	T-SG.
6200	Bahadur, Shivraj.	1993	B.Sc. Ind. Chem. (Banaras—'43) A.H.B.T.I. Oil tech. (Kanpur—'45)	Manufacture & research connected with oil refin- ing & hydrogenation.	Pres.—C/o The Ganesh Flour Mills, P. Box No. 32, Kanpur. Perm.—7/28, Daryaganj, Delhi.	Research Che- mist.	R-I.
6201	Baindoor, Rama- chandra Venkata- rao.	1990	B.Sc. Ceramic tech. (Banaras—'44)	Quality control and manufacture of pottery, fireclay and high alu- mina refractories.	Pres.— O/o The A.C.C. Ltd., Katni Cement Works, Katni, M.P. Perm.— O/o L.V. Bain- door, M/s G.G. Dande- kar Machine Works Ltd., P.O. Bhiwandi, Distt. Thana, Bombay.	Chief Ceramic Chemist	STO-I.
6202	Baines, Onkar Singh.	1926	B.Sc. Hons. (Punjab —'48) M.Sc. Tech. Fruit Pre- servation. (Punjab —'49)	...	Pres.— Govt. College, Rupar, Punjab. Perm.— Village & P.O Manak Dheri, Tehsil & Distt. Hoshiarpur.	Lecturer in Chemistry.	T-G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6203	Bajpal, Loknath.	1913	B.Sc. (Allahabad)	Manufacture of water-proofing and anti-gas varnishes and dopes.	Pres.—Eastern Industries (India) Ltd., Kanpur. Perm.— 7/191, Swarup Nagar, Kanpur.	Managing Director.	STO-I.
6204	Bakre, Krishna	1931	B.Sc. (Poona—'51) B.Sc. Food tech. (Bombay—'59)	...	Pres.—C/o N.K. Karambolkar, R. No 10, Patil Terrace, Dadar, Bombay. Perm.— 906, Raviwar Peth, Azad Chawk, Shahnawaz Road, Kolhapur.	...	Un.
6205	Bakre, Vasudeo Jambardan.	1913	B.Sc. (Nagpur—'39) M.Sc. (Nagpur—'35) A.H.B.T.I. Sugar tech. (Kanpur—'37)	Worked for 8 years in the manufacture of sugar and 8 years in the general analytical work. Now engaged in production of medicinal opium & alkaloids of prescribed standards and supervision of all operations connected therewith.	Pres.— Govt. Opium Factory, Ghazipur, U.P. Perm.—C/o Shri D.M. Bakre, Retired Pleader, Wardha.	Opium Chemist.	STO-I.
6206	Bakshi, Asit Kumar Madhukar.	1927	B.Sc. (Bombay—'50) B.Sc. Tech. (Nagpur—'52)	...	Pres.— Ganga Vihar, Hanuman Road, Vile Parle, Bombay 24. Perm.— Do.	...	Un.
6207	Bakshi, Jagdeesh Anandrao.	1926	B.Sc. (Bombay—'47) B.Sc. Tech. Foods & Drugs (Bombay—'49)	Analysis of food products, drugs and manufacture of aerated waters & syrups.	Pres.—C/o Bakshi Bros., Main Road, Sholapur. Perm.— Do.	...	STO-P.
6208	Bakshi, Manindra Chandra.	1908	B.Sc. Hons. (Calcutta—'29) M.Sc. Inorg. Chem. (Calcutta—'31) F.I.C.S.	Manufacture of alums, zinc & magnesium salts and utilization of industrial waste products.	Pres.— Bengal Chemical & Pharmaceutical Works Ltd., Panighati, 24 Parganas. Perm.— P.O. Panighati, 24 Parganas.	Head of the Dept of Heavy Chemicals.	STO-I.
6209	Balasubramanian, Doraiswami.	1918	B.Sc. Hons. (Madras—'39) A.H.B.T.I. Oil. tech. (Kanpur—'49)	Control tests at various stages of manufacture of soap and vanaspati.	Pres.—Berar Oil Industries, Akole. Perm.—C/o S. Doraiswami Dikshiter, 2, Rajan Tope, Asesham, Mannargudi, S. India.	Chemist.	STO-I.
6210	Baliga, Buntval Prabhakar.	1928	B.Sc. (Madras—'50) M.Sc. Oil tech. (Osmania—'52)	Engaged in research work in vegetable oils.	Pres.—Central Laboratories for Scientific & Industrial Research, Hyderabad. Perm.— C/o Prof. B.R. Baliga, 2, Namashivaya Mudali Street, Triplicane, Madras.	Research Scholar.	R-S.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6211	Banerjee, Arun.	1922	B.Sc. Hons. (Calcutta—'48) M.Sc. spl. Oils & Fats (Calcutta—'45) F.I.C.S. Training in wood preservation (F.R.I., Dehra Dun.)	Carried out research work on wood preservation by coal tar creosote oil & penta-chloro-phenol and manufacture of plywood of different grades & laminated boards. Published a paper on 'Studies on creosote oil as a wood preservative'.	Pres.— Plywood Development Directorate, Ministry of Commerce & Industry, P.O. Rehbari, Dibrugarh, Assam.	Junior Field Officer.	STO-G.
6212	Banerjee, Dhirendra Mohan.	1917	B.Sc. (Agra—'38)	14 years work in testing of petroleum products for Defence Service requirements.	Pres.— Fuel Testing Laboratory, Madras 9. Perm.— 55, Pilkington Road, Madras 22.	Jr. Scientific Officer.	STO-G.
6213	Benerjee, Moni.	1921	B.Sc. (Calcutta) M.Sc. spl. Leather manufacture, (Calcutta)	Leather industry specially chrome & vegetable tanning and controlling technique for standard products, published papers.	Pres.— Bengal Tanning Institute, Calcutta. Perm.— 2, Teogra 2nd Lane, Calcutta 15.	Supdt. & Principal.	STO-G. TR-G.
6214	Banerjee, Nanu Gopal.	1916	M.Sc. Appl. Chem. (Dacca—'49)	Analysis of alloys, minerals and refractories, published a paper on 'X-ray diffraction of mercerized jute fibres'.	Pres.— Sura Bhawan, South Park, Jamshedpur. Perm.— 28J, Fern Road, Calcutta.	Sr. Scientific Assistant.	STO-I.
6215	Banerjee, Santosh Kumar.	1907	B.Sc. (Calcutta—'27) A.M.I.P.E. (London)	Jig & tool designing as required for the mass production of small arms components.	Pres.—VIII A/29, Armapore Estate, Armapore, Kanpur. Perm.— Moran Road, P.O. Gondalpara, Distt Hooghly.	Foreman.	STO-I.
6216	Banerji, L.O.	1919	B.Sc. (Dacca—'39)	20 years of sugar manufacture.	Pres.— S.H. Sugar Mills Ltd., Motihari, Distt. Champaran. Perm.—C/o A.P. Benerji, Krishnapur Co-operative Refugee Colony, Shyamnagar Road, Dum-dum, Calcutta 28.	Manufacturing Chemist.	STO-I.
6217	Banerji, Nanda Gopal.	1918	B.Sc. Hons. (Calcutta)	Engaged in research connected with coal blending.	Pres.— Fuel Research Institute, P.O. Jealgora, Distt. Manbhum, Bihar. Perm.— Shideswaripara, P.O. Kalua, District Burdwan.	Sr. Scientific Assistant.	R-SG.
6218	Basavaraj, B.	1927	B.Sc. Textiles. (Mysore)	2½ years teaching work in spinning and weaving.	Pres.— Sri Krishnarajendra Silver Jubilee Technological Institute, Bangalore. Perm.— 15, Kumarapark, East Extension, Bangalore.	Lecturer in Spinning.	T-

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6219	Basur, Vithal Shesh- giri.	1905	B.Sc. (Bombay—'27) M.Sc. (London—'30)	Worked for 2 years in teaching organic che- mistry to the university classes. Now engaged in supervisory and administrative work connected with quality control of cement pro- duced.	Pres.—A.C.C. Ltd., Bhu- pendra Cement Works, Surajpur, PEPSU. Perm.—C/o A.P. Mathadi & Bros., Bolar, Manga- lore.	Chief Chemist.	STO-I.
6220	Basu, Nath. Sachindra	1915	B.Sc. Hons (Calcutta —'36) M.Sc. spl Ind. Fer- mentation. (Calcutta —'38) Ph.D. Microbiology. (London—'47) D.I.C. Biochem. (London—'47)	Since 1939 engaged in biochemical, micro- biological and fibre microscopical research work; published a num- ber of papers on the above subjects.	Pres.—Indian Jute Mills Association Research Inst., 3, Taratala Road, Calcutta 27. Perm.— Do.	Chief Biologist.	R-I.
6221	Batra, Phul Chand.	1900	B.Sc. (Punjab—'21) P.t. work on oils & fats (Berlin—'24)	Worked in the manufac- ture of varnish, paint and printing ink for 2 years. For the last 10 years conducting investi- gations on vegetable oils & fats, analysis of plant materials and bleaching of bamboo & grass pulps; publish- ed papers in connection with paper pulp.	Pres.— Chemistry of Forest Products Branch, Forest Research Inst. & College, New Forest, Dehra Dun. Perm.— Do.	Research Asstt.	R-G.
6222	Battu, Harbhajan Singh.	1927	B.Sc. Hons. (Punjab —'48) M.Sc. Tech. spl. Cement (Punjab—'50)	...	Pres.— Ramgarhia Col- lege, Phagwara, PEPSU. Perm.— Ranbir Gunj Street, Sangrur, PEPSU.	Lecturer in Chemistry.	T-NG.
6223	Behere, P.V.	1923	B.Sc. (Agra) A.H.B.T.I. Oil tech. (Kanpur)	Testing of oils & cakes besides running of the oil milling machinery.	Pres.— I/c Oil Grading Section, M/s Dulichand Omraoal Oil Mills, Kanpur. Perm.— No. 9, Atam Building, Fazalganj, Kanpur.	Manager & Chemist.	STO-I.
6224	Behl, Lila Krishan.	1929	M.Sc. Tech. Fine & heavy chemicals. (Banaras—'51)	...	Pres.— O/o Shri R.N. Vaidya, 49, Kaushal Puri, Gumati No. 6, Kanpur. Perm.— Chabata Bazar, Mauli, Himachal Pra- de�.	...	Un.
6225	Betrabet, Mangesh Venkatrao.	1904	B.Sc. (Bombay—'28) M.Sc. (Bombay—'30) A.I.I.Sc. (Bangalore —'49) A.R.I.C. (London)	Since 1931 service in the A.C.C.'s cement factories, experience in the manu- facture of cement, pub- lished papers on natural colouring matters.	Pres.—C/o The Associa- ted Cement Cos. Ltd., P.O. Kistna Cement Works, Distt. Guntur, via Vijayawada. Perm.—Sarawat Colony, Somwarpet, Poona.	Works Manager.	STA-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6226	Bhaduri, Pranabnath.	1917	B.Sc. Hons. (Calcutta—'38) M.Sc. Oil tech. (Calcutta—'41)	Manufacture of pharmaceuticals, fine chemicals, soaps, gelatine & glue; hydrogenation of fatty substances and splitting of oils & fats.	Pres.— 27, Brojonath Lahiri Lane, P.O. Santragachi, Howrah. Perm.— Do.	...	Un.
6227	Bhagwat, Madhav Balaji.	1902	M.Sc (Bombay—'27) A.I.I.Sc. (Bangalore—'27) F.C.S. (London) F.I.C. (India)	From 1927-45 worked as Manufacturing Chemist of chemical concerns. Now doing planning & reviewing plans for salt & chemical works and administration of such works.	Pres.—Tata Chemicals Ltd., P O Mithapur, Okhamandal, W. Rail-way. Perm.— Javeri Villa, Gilder Street, Bombay 8.	Works Supdt. & Manager.	STO-I.
6228	Bhagwat, Shridhar.	1913	B.Sc. (Bombay—'40)	5 years work in the manufacture of glue and gelatine.	Pres.— Phoenix Glue Works, Bombay 17. Perm.—122, Shivaji Park, Anantashram, Bombay 28.	Chemist & Proprietor.	STO-I.
6229	Bhagwat, Ramchandra Shankar.	1916	B.Sc. (Bombay—'37) B.Sc. Textile tech. (Bombay—'39)	Dyeing & allied textile processing and analyses of textiles, paints, varnishes, etc.	Perm.— 505, Shanivar Peth, Poona 2.	Consulting Chemist	STO-P.
6230	Bhal, Jaswant Singh.	1906	B.Sc. (Allahabad—'26) Dip. in Sugar chem. & tech. (H.B.T.I., Kanpur—'30)	Since 1930 working in the manufacture of sugar.	Pres.— Sekhsaria Sugar Mills Ltd., P O Babhnan, Distt. Gonda, U.P. Perm.— Do	Chief Chemist.	STO-I.
6231	Bhalerao, Vasant Ramachandra.	1920	B.Sc. (Banaras—'39) M.Sc. Tech. (Banaras—'41)	Engaged on problems relating to (i) colourisation of vanaspati and easy methods of detection of adulteration of ghee, (ii) unfamiliar sources of foodstuffs and (iii) analysis of food products. Published several papers on the chemistry and nutritive value of milk, oils and fats.	Pres.—Central Food Technological Inst., Mysore. Perm.— C/o Pandit's Wada, Sitabaldi, Nagpur.	Sr. Scientific Assistant.	R-SG.
6232	Bhalla, Abnashit Lall.	1909	B.Sc. Hons. (Punjab—'31) M.Sc. Org. Chem. (Punjab—'32)	About 21 years work in the manufacture of sugar and its chemical control.	Pres.—The Jaora Sugar Mills, Jaora, M.B.	Chief Consulting Chemist.	STO-I.
6233	Bhalla, Brahma Dev.	1939	B.Sc. Ind. Chem. (Banaras—'50) M.Sc. Tech. spl. Oils & Fats (Banaras—'52)	Now engaged in writing of technical reports.	Pres.—C.S.I.R., Old Mill Road, New Delhi Perm.— 12, Havelock Square, New Delhi.	Jr. Tech. Asstt	Scientific editing.
6234	Bhandari, P. Gopala.	1930	B.Sc. (Madras) B.Sc. Tech. spl. Oils, Fats & Waxes (Bombay—'52)	...	Pres.—R. No. 9, Bugade Bldg., Cadell Road, Bombay 28. Perm.— Do.	...	Un.
6235	Bhanot, Chand.	1924	B.Sc. Hons. (Punjab—'48) M.Sc. Tech. (Punjab—'50)	Engaged in the manufacture of opium alkaloids.	Pres.—Govt. Opium Factory, Ghazipur. Perm.— Vill. & P.O. Morinda, Distt. Ambala	Chemical Asstt	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6236	Bhargava, Shanker.	Girja 1928	B.Sc. (Lucknow—'49) A.H.B.T.I. Oil tech. (Kanpur—'51) F.I.C.S.	Engaged in the development of textile work.	Pres.— T.D.E. (T & O), Kanpur. Perm.— Kamla Nivas, 4, Khatterryana, Jhansi.	Jr. Scientific Assistant, (Grade II)	STO-G.
6237	Bbarucha, Kalkhu- shru Hoshangji.	1900	B.A. Hons. (Bombay —'22) B.Sc. (Bombay—'33)	10 years work on the chemical & bacteriological examinations of water, sewage, milk, foodstuffs, etc. and 2 years in the preparation of plague & cholera vaccines on a large scale, published papers.	Pres.— Hafizine Inst., Parel, Bombay 12. Perm.— Do.	Asstt. Bacteriologist.	STO-G.
6238	Bhat, Mukhamala Vijaya.	1925	M.Sc. Tech. spl. Hydrogenation of Oils (Andhra—'46)	...	Perm.— C/o Ch. Rama- swamy Sastry, Commercial Tax Officer, Cuddapah.	...	Un.
6239	Bhatia, Satya Pal.	1927	B.Sc. Hons. (Punjab —'50) M.Sc. Tech. (Punjab —'51)	Manufacturing of opium alkaloids.	Pres.—Govt. Opium Factory, Ghazipur, U.P. Perm.—C/o H.L. Bhatia, 5/66, W.E.A., Karol Bagh, Delhi.	Chemical Asstt.	STO-I.
6240	Bhatia, Narayan.	Triloki 1923	B.Sc. (Allahabad—'43) A.H.B.T.I. Oil tech. (Kanpur—'45) Exam. in tech. of oils, fats & waxes, (O. & G. London—'50)	Worked for 5 years as Chemist in oil mills.	Pres.— Directorate of Cottage Industries, Kanpur. Perm.— Bhatia-wara, Sikandarabad, District Bulandshahr.	Planning Officer.	STO-G.
6241	Bhatia, Gopal.	Krishan 1929	B.Sc. (Punjab—'49) A.I.I.S.T. Sugar tech. (Kanpur—'52)	...	Pres.—112/243, Swaroop Nagar, Kanpur. Perm.— Do.	...	Un.
6242	Bhatnagar, Rajendra Kishore.	1926	B.Sc. Hons. (Delhi —'46) M.Sc. (Delhi—'47)	Manufacture of sulphuric acid, super phosphate, toilet & washing soaps; crushing of vegetable oil seeds & hydrogenation of oils and designing & erection of chemical plants. Now engaged in studying dehydration of alcohol to ether & ethylene and chlorination of ethylene to dichloroethane.	Pres.— Shri Ram Inst. for Industrial Research, Delhi. Perm.—58/C, Baird Road, New Delhi.	Jr. Scientific Assistant, (C.S.I.R.)	R-S.
6243	Bhatnagar, Surendra Pershad.	1929	B.Sc. (Punjab—'48) Radio Technology, (C. & G. London—'49) M.Sc. Tech. (Punjab —'51)	Engaged in the manufacture & analysis of opium alkaloids.	Pres.—Govt. Opium Factory, Ghazipur, U.P. Perm.—196-C, Timarpur, Delhi 8.	Chemical Asstt.	STO-I.
6244	Bhatt, L.A.	1903	M.Sc. (Bombay—'26) A.I.I.Sc. (Bangalore —'26) D.I.C. (London—'29) Ph.D. (London—'31)	Production and sale of chemicals.	Pres.— Biddle Sawyer & Co. (India) Ltd., 25, Dalal Street, Bombay 1. Perm.— Do.	...	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6245	Bhattacharjee, Amalendu.	1910	B.Sc. (Calcutta—'32) Training in paints & varnishes (Bengal)	5 years work in teaching science and 12 years in the preparation of paints & varnishes particularly cashew-nut shell oil varnishes.	Pres.—M/s Nagrath Paints Ltd., Kanpur. Perm.— 69E/1, Maharaj Tagore Road, P.O. Dhakuria, Calcutta.	Chief Chemist & Factory-In-Charge.	STO-I.
6246	Bhattacharya, Brojendra Chandra.	1898	B.Sc. Hons. (Calcutta—'23) B.Sc. Tech. (Manchester—'28) M.Sc. Tech. (Manchester—'30) A.M.O.T. (Manchester—'28) Postgraduate course in Industrial Administration. (Manchester—'29) F.T.I. (Manchester—'50)	Since 1934 engaged in teaching and guiding research in textile chemistry, specialization in handloom industry; contributed a number of articles on dyeing & handloom industry	Pres.— Bengal Textile Institute, P O Serampore, Distt. Hooghly. Perm.— Do.	Principal	TR-O
6247	Bhattacharya, Mukunda Chandra.	1928	B.Sc. (Banaras—'47) A.H.B.T.I. (Kanpur—'60) F.I.C.S.	Worked for 2 years on anodising of aluminium and electro-chemical polishing of metals. Published papers on multicolour anodisation of pure aluminium and photoprinting on aluminium.	Pres.— Forest View, H.B.T.I. Hostel, Nawabganj, Kanpur Perm.—D 33/14, Khalishpura, Dasawamedh, Banaras.	...	Un.
6248	Bhattacharya, Amiya Prosad.	1925	B.Sc. Hons. (Calcutta—'44) M.Sc. Appl. Biochem. (Calcutta—'46)	...	Pres.— Cordite Factory, Aruvankadu, Nilgiris. Perm.—Thakurpara, P O Bhatpara, District 24 Parganas, W. Bengal.	Asstt. Works Manager.	STO-I.
6249	Bhattacharya, Anil Kumar.	...	B.Sc. Hons. (Dacca—'39) M.Sc. Appl. Chem. (Dacca—'40)	10 years in teaching of chemistry to I.Sc. and B.Sc. classes.	Pres.— M.B.B College, Agartala, Tripura Perm.— Do.	Professor of Chemistry.	T-N(4)
6250	Bhattacharya, Narapat.	1919	B.Sc. (Delhi—'34) A.H.B.T.I. spl. Sugar tech. (Kanpur—'37)	10 years work of chemical analysis.	Pres.— Metal & Steel Factory, Ishapore. Perm—66, Atul Krishna Banerjee Lane, Barranagar, Calcutta 36	Supervisor (Chemist)	STO-I.
6251	Bhoira, Mohammad Husein Abdul Rasul.	1928	B.Sc. Hons. (Bombay—'50) B.Sc. Tech. spl. Intermediates & Dyes. (Bombay—'52)	...	Pres.— 150, Nagdevi Street, Bombay 3. Perm.— Do.	...	Un.
6252	Bhujang, Krishnamurti Shrinivasrao.	1917	B.Sc. (Bombay—'37) B.Sc. Textile chem. (Bombay—'39) M.Sc. Textile chem. (Bombay—'48)	Dyeing, bleaching, printing and general textile work; published papers on acidic properties of oxycelluloses.	Pres.— Technological Laboratory, Indian Central Cotton Committee, Matunga, Bombay 19 Perm.— Do.	Jr Research Assistant.	R-SG
6253	Bhushan, Bhan.	1929	M.Sc. Tech. spl. Ceramics. (Banaras—'50) Training in Pottery.	Ceramic works including pottery and porcelain.	Pres.— Ceramics Dept., Banaras Hindu University, Banaras 5. Perm.— Teliagunj, Mirzapur.	Lecturer in Ceramic Tech	TR-SG.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks	
6254	Bhutiani, Ram Chand.	1917	B.Sc. Hons. (Punjab —'88) B.Sc. Agri. (Punjab —'39) M.Sc. Agri. (Punjab —'40) Advanced training in food tech. (Australia —'48)	Food technology including planning of food factories and analysis of food products. Contributed several papers and leaflets covering the methods of standardization, preparation and preservation of various fruit & vegetable products and propaganda thereof.	Pres.—Divn. of Food Information & Statistics, C.F.T.R.I., Mysore. Perm.—House No. 2202, Shora Kotla, Subz Mandi, Delhi.	Jr. Scientific Officer.	Scientific information.	
6255	Bishnoi, Sharad.	Ishwar	1929	B.Sc. (Rajputana—'50) A.H.B.T.I. spl. oils, soaps, paints, varnishes. (Kanpur—'52)	...	Pres.—C/o Shri S.C. Bishnoi, Rly. Telegraph Office, Anwarganj, Kanpur. Perm.—C/o Shri Chandra Sen, Rly. Telegraph Office, Gangapur City, W. Rly.	...	Appr.
6256	Bishnoi, Kumar.	Krishna	1933	B.Sc. (Banaras—'41) A.H.B.T.I. (Kanpur —'44) F.I.C.S.	Manufacture of asbestos products and in cellulose technology.	Pres.—Cordite Factory, Aruvankadu, Nilgiris. Perm.—Civil Lines, Bijnor, U.P.	Asstt. Works Manager.	STO-I.
6257	Bishnoi, Kumar.	Sushil	1939	B.Sc. Ind. Chem. (Banaras—'47) A.H.B.T.I. Oil tech. (Kanpur)	...	Pres.—Fertilizer Factory, P.O. Sindri, Bihar. Perm.—Lucknow Road, Hardoi, U.P.	Laboratory Chemist.	STO-I.
6258	Biswas, Nath	Rabindra	1930	M.Sc. Org. Chem. (Calcutta—'51)	Manufacturing of heavy chemicals and ether.	Pres.—Bengal Chemical & Pharmaceutical Works Ltd., P.O. Panighati, 24 Parganas. Perm.—45, Satish Mukherjee Road, 1st Floor, South, Calcutta 26.	Manufacturing Chemist.	STO-I.
6259	Biswas, Chandra	Sarat	1903	B.Sc. (Calcutta—'29)	About 22 years experience in the manufacture of heavy & fine pharmaceuticals, chemicals, spirituous & non-spirituous pharmaceutical preparations, edible dyes, organic solvents, ether, chloroform and also in chemical analysis.	Pres.—7, Jahar Lal Dutta Lane, Calcutta 4.	Chemist.	STO-I.
6260	Borwankar, Prabhakar Ganesh.		1928	B.Sc. (Nagpur) B.Sc. Tech. (Nagpur —'50)	Undergoing industrial training.	Pres.—C/o F.A.C.T. Ltd., P.O. Udyogamandal, T.C. State. Perm.—O/o A.G. Borwankar, Vidarbha Mills Ltd., Achalput, M.P.	...	Appr.
6261	Bose, Asoke Nath.		1911	B.Sc. (Calcutta—'31) Dr. Ing. (Munich, Germany—'36) A.R.I.O. (London) F.I.C.S. A.M.I.I.Ch.E.	Specialised in synthetic coal tar dyestuffs and coal tar distillation, published papers on azo-dyestuffs.	Pres.—M/s Biva's Ltd., Calcutta. Perm.—1, Woodburn Park, Calcutta 20.	Managing Director.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6262	Bose, Bisweswar.	1912	B.Sc. (Calcutta—'35)	12 years experience in manufacture of sugar and cane development work.	Pres.— C/o Rammugger Cane & Sugar Co. Ltd., P.O. Plassey, District Nadia, W. Bengal. Perm.— C/o Late Dr. H. Bose, Hirapore, P.O. Dhanbad, Distt. Manbhum, Bihar.	Manufacturing Chemist.	STO-I.
6263	Bose, Saroj Kumar.	1905	B.Sc. (Calcutta—'26)	About 23 years work in the production of vaccine, sera, pharmaceutical drugs & tablets, perfumery, toilet preparations, etc.	Pres.— Bathgate & Co Ltd., Calcutta. Perm.— 48A, Ballygunj Place, Calcutta 19.	Supdt. of Laboratories.	STO-I.
6264	Brij Mohan Lal.	1929	B.Sc. Ind. Chem. (Banaras—'48) M.Sc. Tech. (Banaras—'50)	...	Pres.— C/o M/s Mangat Rai Banwari Lal, Ferozepur City. Perm.— Do.	...	Un.
6265	Burjorjee, Rustom. Hirjee	1912	B.Sc. Hons. (Rangoon—'33) M.Sc. Petroleum tech. (Rangoon—'36) F.R.I.C. (1949)	Extensive experience in the production, testing & refining of petroleum & its products and carried research & development work on the same. Published papers concerning organic chemistry.	Pres.— Field Laboratory, Assam Oil Co. Ltd., P.O. Digboi, Upper Assam.	Research Chemist.	R-I.
6266	Burman, Harbans Lal.	1925	B.Sc. (Delhi—'48) Dip. In industrial uses of lac (Ranchi—'48)	Knowledge of industrial applications of lac.	Pres.— 4, Parekh Chambers, Behind Aurora Cinema, Kings Circle, Bombay. Perm.— C/o R.L. Burman, 44-45, Gandhi Gali, Fatehpuri, Delhi.	...	Un.
6267	Burman, Chandra. Romesh	1907	B.Sc. (Calcutta—'30)	Analysis of oils, paints, varnishes, soap, water, etc.	Pres.— G.I.P. Railway Laboratory, Parel, Bombay 13. Perm.— P.O. Parasia, District Chhindwara.	Asstt. Chemist.	STO-G
6268	Burmanray, Promod Chandra.	1912	B.Sc. Textile tech. (Kiriu, Japan—'41)	Cotton carding & spinning.	Pres.— John's Spg. Mills, Agra. Perm.— 8H, Ramhari Ghose Lane, Calcutta 9.	Manager.	STO-I.
6269	Chakkunny, Chakola Thomas.	1922	B.A. Chem. (Madras—'42) A.M.I.E.T. spl. Spinning & weaving. Dip. in spinning & weaving. (Bolton, U.K.—'51) Cert. in cotton spinning & weaving. (C. & G. London—'51)	Over 7 years work in cotton spinning and weaving.	Pres.— The Asok Textiles Ltd., Alwaye, Travancore-Cochin. Perm.— Chakola House, T.B. Road, Trichur.	Works Manager.	STO-I.
6270	Chakrabarty, Priya Nath.	1911	B.Sc. Hons. (Calcutta—'32) M.Sc. Appl. Chem. (Calcutta—'34)	...	Pres.— Ramkrishna Mission Vidyamandira, P.O. Belurmath, Howrah. Perm.— Do.	Professor of Chemistry.	T-N.G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6271	Chakrabarty, Saindra Mohan.	1908	M.Sc. Appl. Physics. (Calcutta—'34) F.I.C.S.	Manufacture of electro-chemical products.	Pres.— Electrochemical Section, M/s Bengal Chemical & Pharmaceutical Works Ltd., Calcutta. Perm.— 164, Manicktala Main Road, Calcutta 11.	Manufacturing Chemist.	STO-I.
6272	Chakravarty, Keshi- ndra Mohan.	1900	M.Sc. (Dacca—'25) D.Sc. Appl. Physical Chem. (Dacca—'41) F Inst. Fuels. (London)	Worked in teaching to degree classes and research guidance. Now engaged in chemical control of processes & tackling factory chemical problems; published papers on synthetic petrol, coal carbonisation, catalytic processes & industrial adsorbents.	Pres.—Sindri Fertilizers & Chemicals Ltd., Sindri, Munbhum, Bihar. Perm.— Do.	Chief Chemist.	STA-G.
6273	Chakravorty, Rabati- raman	1911	M.Sc. Appl. Chem. (Calcutta—'38)	Doing research concerning petroleum technology, published reports on petroleum processing and refining.	Pres.—Refinery Laboratory, P.O. Digboi, Upper Assam. Perm.— Do.	Research Chemist.	R-I.
6274	Chakravorty, Sudhir Chandra.	1922	M.Sc. Appl. Chem. (Dacca—'48)	Retting of jute with regard to quality of fibre.	Pres.—Jute Agricultural Research Institute, Barrackpore. Perm.— C/o Prof. S.C. Chakravorty, Agartala, Tripura, State.	Chemical Asstt.	STO-SG.
6275	Chandla, S.P.S.	1927	B.Sc. (Punjab—'48) A.H.B.T.I. Oil tech. (Kanpur—'50)	Engaged in analytical work.	Pres.—T.D.E. (T. & O.), Kanpur. Perm.— 6100, Kumar Para, Chhippi Tola, Agra.	Jr. Scientific Assistant.	STO-G.
6276	Chandrasekharaan, Vadakkeppat Achu- tha Menon.	1915	M.Sc. (Banaras—'38)	Inspection and manufacture of explosives.	Pres.— 11-D, Shenoy-nagar, Kilpauk, Madras 10 Perm.— 'Anmu Vilas', Cheruthuruthy, Travancore-Cochin.	Inspector of Explosives.	STO-G.
6277	Chattar Singh.	1898	B.A. (Punjab—'19)	30 years experience of research & manufacture of pulp, newsprint, kraft paper & board; published papers on cellulose paper and allied subjects.	Pres.— Forest Research Inst., Dehra Dun. Perm.— Do	Asstt. Paper Pulp Officer.	R-G.
6278	Chatterjee, Abindra.	1912	B.Sc. (Calcutta—'33) B.Sc. Tech. (1944) F.C.S. (London) Full course in Electro-deposition of metals. (Birmingham)	Electro-deposition of metals, metal finishing and installation of plants.	Pres.—Ordnance Factory, Estate, Khamaria, W. Land, Jubbulpore. Perm.— Santoshpur, P.O. Duttagupur, 24, Parganas, W. Bengal.	Asstt. Foreman.	STO-I.
6279	Chatterjee, Gora	1930	M.Sc. Appl. Chem. (Calcutta—'51)	...	Pres.—C/o Sudhir Kumar Mukherjee, Mukherjee Para Lane, Dhakuris, Calcutta 51. Perm.— Do.	Un.	

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6280	Chatterjee, Kanak Kumar.	1921	B.Sc. (Calcutta—'40) A.B.T.I. (Serampore —'44)	Examining specifications for the purpose of granting patents.	Pres.— 10, Panditiya Road, Calcutta. Perm.— Do.	Asstt. Examiner of Patents.	STO-C.
6281	Chatterjee, Nripendra Nath.	1925	B.Sc. (Calcutta—'46)	Analysis & testing of fuels and carbonization.	Pres.— Fuel Research Institute, P.O. Jealgore, Digwadih, District Manbhum. Perm.—C/o H.D. Chatterjee, 73 L5, Kadma Water Tower Area, Kadma, Distt Singhbhum.	Sr. Scientific Assistant.	R-SG.
6282	Chatterjee, Prafulla Kumar.	1911	M.Sc. Org. Chem. (Calcutta—'84)	Worked in Bengal Chemical & Pharmaceutical Works on the preparation of sulphuric acid, injectables, dextrines & adhesives for 6 years and as Analytical Chemist for 5 years. At present engaged in analysis of chemical & pharmaceutical products.	Pres.—Prafulla Nagore, Belgharia, 24 Parganas. Perm.— Do.	Chemist	STO-I.
6283	Chatterjee, Satyendra Nath.	1918	B.Sc. (Lucknow—'38) A.H.B.T.I. (Kanpur —'42) F.H.B.T.I. (Kanpur —'44)	Carrying on research work in oils, soaps, paints & varnishes; published papers.	Pres.—Hartcourt Butler Technological Institute, Kanpur. Perm.— C/o Sri R.N. Chakravarthy, K.S. Hart & Co., Golaganj, Lucknow	Research Chemist.	R-G .
6284	Chatterjee, Shambhu Narayan.	1910	B.Sc. Hons. (Calcutta —'31) M.Sc. spl. Ceramics (Calcutta—'33)	Manufacture of refractories particularly fire clay.	Pres.—Armapore Estate, Ordnance Factory, Kalpi Road, Kanpur. Perm.— 14, Bhuban Mohan Banerjee Lane, Dakhinpara, Belgharia, Distt. 24 Parganas.	Foreman.	STO-I
6285	Chatterji Ranjan. Nalini	1909	B.Sc. (Calcutta—'34) F.I.C.S. A.M.I.E.T. (London —'61)	8 years work in teaching of dyeing & printing.	Pres.— Bengal Textile Institute, Serampore, Hooghly, West Bengal. Perm.— Lohiry Park, 56, Gowkhana Road, Serampore, Hooghly.	Lecturer in Dyeing	T-SG.
6286	Chaudhuri, Bibhuti Bhushon.	1902	B.Sc. Hons. (Calcutta —'31) M.Sc. Appl. Chem (Calcutta—'33) F.C.S. (London)	Research, design, development & inspection of explosives, propellants and incendiary fuels.	Pres.— Tech. Development Establishment, Military Explosives, Kirkee, Poona. Perm.— P.O. Amadpur, Distt. Burdwan.	Supdt	STA-G
6287	Chhatrapati, Moxamaden O	1916	B.Sc. (Bombay—'39) Assoc. I.A.R.I. (New Delhi) Training in fermentation tech. (U.S.A.)	Specialization in fermentation technology and industrial management.	Pres.—Upper Doab Sugar Mills Ltd , Shamli. Perm.— 44, Joti Sadan, Sita Devi Temple Road, Mahim, Bombay.	Manager & Tech Adviser.	STA-I.
6288	Chhaya, Laxmikant Dilrukhai.	1918	B.Sc. (Bombay—'36)	15 years experience in the operational process of manufacturing cement and testing.	Pres.— Banmor Cement Works, Banmor. Perm.—C/o D.H. Chhaya, Pratap Gunj, Baroda.	Asstt. Chemist.	STO-I,

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6289	Chiplonkar, Narayan Chintaman.	1913	B.Sc. (Bombay—'38) D.O.T. (Baroda)	(i) Textile bleaching, dyeing & printing, (ii) testing of cotton fibre & yarn and (iii) manu- facture of chlorine for bleaching purposes by electrolytic process.	Pres.— Technological Laboratory, Indian Cen- tral Cotton Committee, Matunga, Bombay 19. Perm — Do.	...	STO-SG.
6290	Chitale, Madhukar Keshao.	1924	B.Sc. (Nagpur—'45); B.Sc. Oil tech. (Nag- pur—'47)	...	Pres.— Indore Water Works, Deodharam, Indore. Perm.— Kelkarwadi, Wardha.	Chemist.	STO-G.
6291	Chitre, Madan Kamlakant.	1917	B.Sc. (Bombay—'38) M.Sc. Ind. Chem. (Bombay—'40)	Considerable experience in the problems of small scale & cottage indus- tries.	Pres.— Development Wing, Ministry of Com- merce & Industry, Govt. of India, New Delhi Perm — G/o K V. Chitre, 140A, P.C. Street, Bom- bay 28.	Asstt. Develop- ment Officer.	STO-G.
6292	Chowdhry, Kalyan Krishna.	1912	B.Sc. (Allahabad—'32) A.H.B.T.I. Oil tech. (Kanpur—'34)	Analysis and testing of paints, pigments, var- nishes and their manu- facture.	Pres.— T.D.E. Labora- tories, Kanpur. Perm — 17, Roy Street, Bhowanipore, Calcutta.	Sr. Scientific Assistant	STO-G.
6293	Chowdhury, Amalend- ra Nath.	1925	B.Sc. Hons. (Calcutta —'44) M.Sc. spl. Silicates (Calcutta) F.I.C.S.	Chemical analysis of minerals & ores, pub- lished papers on dura- bility of soda glass.	Pres.— Geological Sur- vey of India, Calcutta. Perm — 8, Chowdhury Para, 2nd Bye Lane, P.O. Santragachi, How- rah.	Asstt. Chemist.	STO-G.
6294	Chowdhury, Arun Kumar.	1926	B.Sc. (Calcutta—'49) M.Sc. Appl. Chem. spl. Ceramics. (Cal- cutta—'51)	...	Pres.— 26, J. Road, Jam- shedpur. Perm.— 46, Brojonath Lahiri Lane, P.O. Ram- rajatola, Distt. Howrah.	...	Un.
6295	Chugh, Ram Krishan.	1925	B.Sc. (Punjab—'46) Course in Oil tech. (H.B.T.I., Kanpur —'47)	Analysis of ghee, oils, fats, drugs, etc.	Pres.— Directorate General of Health Services, Ministry of Health, New Delhi. Perm.— 4-C/19, Rajendra Nagar, Karol Bagh, New Delhi.	Asstt. Chemist. (Drugs)	STO-G.
6296	Dabir, Narain.	1911	B.Sc. (Agra—'34) A.H.B.T.I. Oil tech. (Kanpur—'34)	16 years experience in the manufacture of soaps, glycerine & re- fined oils including planning and erection of plants.	Pres.— 78, Jail Road, Indore. Perm.— Lunapura, Mhow, M.B.	Chief Soap Chemist.	STO-I.
6297	Dandge, Krishnarao Bhagwan	1921	B.Sc. (Nagpur—'44) A.I.I.S.T. (Kanpur —'48)	5 years work in sugar manufacture.	Pres.— C/o The Saswad Mali Sugar Factory Ltd., Malinagar, Distt. Sholapur. Perm.— Dahigaon, via Nandura, Distt. Bul- dana.	Asstt. Chemist.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6298	Das, Biraj Mohan.	1887	R.A. (Calcutta—'05) M.A. (Calcutta—'06) M.Sc. spl. Leather manufacture. (Leeds, U.K.—'11)	37 years work in leather technology both practical & theoretical, besides experience in the manufacture of sulphuric acid, pharmaceuticals and in dyeing of textiles. Published several research papers & reports on leather technology. Member of many leather associations in India.	Pres.— Central Leather Research Institute, Madras 30. Perm.— 41A, Sadananda Road, P.O. Kalighat, Calcutta.	Officer on Special Duty.	R-SG.
6299	Das, Nil Ratan.	1921	B.Sc. (Dacca—'42) M.Sc. Phy. Chem. (Dacca—'44)	Doing research work connected with the development of glues, plywood, composite wood and building boards; published papers on the same.	Pres.— Composite Wood Branch, Forest Research Institute, P.O. New Forest, Dehra Dun. Perm.— 1/1, Govinda Addy Road, P.O. Chetla, Calcutta 27.	Research Asstt.	R-G.
6300	Das, Pranab Kumar.	1927	B.Sc. Ind. Chem. (Banaras—'47) Dip. in Soap manufacture. (Banaras—'48)	Paper manufacture.	Pres.— C/o Late Pulakanda Das, Arbuthnot Road, Laitumkhrah, Shillong. Perm.— C/o B.N. Das, Gayen Hati, P.O. Barpetta, Distt. Kamrup.	..	Un.
6301	Das Gupta, Annadanda.	1912	M.Sc. Appl. Chem. (Calcutta—'34)	Manufacture of malleable castings, foundry work & allied metallurgy, rolling of aluminium, etc.	Pres.— C/o Indian Aluminium Co. Ltd, 31, Chowringhee Road, Calcutta 16. Perm.— Do.	Works Manager.	STO-I.
6302	Das Gupta, Bijou Kumar.	1911	M.Sc. Appl. Chem. spl. Ceramics (Calcutta—'37)	Testing of defence services stores.	Pres.— I.G.S. Laboratories, Calcutta. Perm.— 41B, Badridas Temple St., Calcutta.	Jr. Scientific Officer.	STO-G.
6303	Das Gupta, Debabrata.	1916	B.Sc. Hons. (Patna—'37) A.R.I.C. (London) Training in industrial nitrocellulose lacquer and manufacture of liquid envelope. (U.K.)	Manufacture of nitrocellulose lacquers, synthetic resins of the alkyd type and protective plastic coatings for armaments, aeroplanes & other machinery.	Pres.— M/s Jenson & Nicholson Ltd., P.O. Gorifa, 24 Parganas. Perm.— Do.	Cellulose Chemist.	STO-I.
6304	Das Gupta, Dharendra Nath.	1909	M.Sc. Org. Chem. (Calcutta—'39)	10 years of analytical work and 8 years in the manufacture of alkaloids.	Pres.— Alkaloid Dept., M/s Bengal Chemical & Pharmaceutical Works Ltd., Calcutta. Perm.— 2, Nimu Goswami Lane, Calcutta 5.	Sectional In-charge.	STO-I.
6305	Das Gupta, Jagadish Chandra.	1905	B.Sc. Hons. (Calcutta—'28) F.C.S. (London) F.I.C.S.	10 years experience in the supervision & control of purchase and production of soaps, disinfectants, pharmaceuticals and perfumery.	Pres.— The Calcutta Chemical Co. Ltd., Calcutta. Perm.— 1, Anthony Bagan Lane, Calcutta 9.	Supdt.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6806	Das Gupta, Jogeswar.	1913	B.Sc. (Dacca—'33)	6 years analytical work and 12 years of manufacture of spirituous products & galenicals.	Pres.— M/s Bengal Chemical & Pharmaceutical Works Ltd., Calcutta 11.	Chemist.	STO-I.
6807	Das Gupta, Jyoti Ranjan.	1917	B.Sc. Hons. (Calcutta—'36) M.Sc. Appl. Chem. spl. Oils, Fats & Waxes. (Calcutta—'38)	Worked on water proofing & rot proofing of textiles and analysis & field experiments on war gases & insecticides. At present working on the preservation of defence stores.	Pres.— C/o S.S.O., I.S.S.P.O., H.Q. Eastern Command, Ranchi, Bihar.	Jr. Scientific Officer.	STO-G.
6808	Das Gupta, Promode Kumar	1912	B.Sc. (Patna—'31) M.Sc. appl. Oils & Fats. (Patna—'33)	Since 1935 engaged in analytical work in cement works laboratory.	Pres.— C/o The A.C.C. Ltd., Chaibasa Cement Works, P.O. Jhinkpani, Singbhoom. Perm.— C/o S.N. Das Gupta, Retd Head Master, P.O. Purulia, Manbhum.	Asstt Chemist.	STO-I.
6809	Das Gupta, Salil Chandra	1919	M.Sc. Appl. Chem. (Calcutta—'41)	Knowledge of manufacturing of acids & organic explosives.	Pres.—Deby Colony, P.O. Dum Dum, W. Bengal Perm.— Do.	Tech. Staff Offr. (Asstt Works Manager)	STA-G.
6810	Das Gupta, Suresh Chandra.	1906	B.Sc. (Calcutta—'29)	Analytical work and manufacture of surgical dressings & inorganic acids of all grades.	Pres.— M/s Bengal Chemical & Pharmaceutical Works Ltd., Calcutta.	Manufacturing Chemist.	STO-I.
6811	Das Varma, Rathindra Lal.	1928	B.Sc. Hons. (Patna—'47) D.I.I.Sc. Chem. Engg. (Bangalore) A.I.I.Sc. (Bangalore—'50)	Mineral analysis, smelting & refining of tin and powdered coal combustion.	Pres.—National Cement, Mines and Industries Ltd., Ranchi. Perm.— C/o Shri Balu-dralal Das, Advocate, 'Moti Bhawan', Koirabari, Gaya.	Chem Engr & Chemist.	STO-I.
6812	Date, Madhusudan Moreshwar.	1918	B.Sc. (Bombay—'42)	Quality control & manufacture of cement roofing asbestos and pipes.	Pres.—Asbestos Cement Ltd., Mulund, Bombay Perm.—Pathare House, Bhawani Shankar Road, Dadar, Bombay.	Chief Chemist.	STO-I.
6813	Datta, Jagadananda.	1907	B.Sc. Hons (Calcutta—'28) M.Sc. Appl. Chem. (Calcutta—'30)	Worked for 12 years in M/s Bengal Chemical & Pharmaceutical Works Calcutta in erection & running of chemical plants for the manufacture of ether, chloroform, naphthalene, etc. and 8 years in M/s Lesco Chemical Works Kanpur. Published papers on new methods for the preparation of caustic potash, ammonium chloride, hydrogen sulphide and reduction of nitrates, nitrobenzene, nitronaphthalene, etc.	Pres.— Sripat Singh College, Jiaganj, Distt. Murshidabad Perm.— Do.	Prof. of Chemistry.	T-NG.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6314	Datta, Basik Lal.	1890	D.Sc Chem (Calcutta —'15) F.I.O.S.	For 6 years worked in the teaching line and 24 years in industrial management & consulta- tion work in soap making, adhesives, inks, etc., published papers and books on these subjects.	Pres.— 2/3A, Benode Shaha Lane, Calcutta. Perm.— Do.	...	Retd.
6315	Datta, Bhushan.	1905	B.Sc. Hons. (Calcutta —'27) M.Sc. Physics. (Cal- cutta—'30) Dip. in Sugar tech. (Glasgow—'37) Dip. in Sugar manu- facture (O & G. London—'38)	5 years experience of sugar manufacture. Now engaged in analy- tical work.	Pres—Calcutta Customs, Calcutta. Perm.— 1/27, Prince Gulam Md. Road, P O Kalighat, Calcutta 26.	Chemical Ass'tt	STO-I
6316	Datta, Shri Patti.	1920	B.Sc. Hons. (Punjab —'40) M.Sc. Org. Chem. (Punjab—'41)	Since 1945 engaged in technical development & research work pertain- ing to general stores & clothing requirements of the armed forces.	Pres—T.D E (T. & C), P O. Box 294, Kanpur.	Asstt Supdt. (Development)	STA-G.
6317	Datye, Vinayak.	1928	B.Sc. Hons. (Poona —'50) B.Sc. Tech. spl. Textiles. (Bombay —'52)	...	Pres.—Shri Ram Institute for Industrial Research, 19, University Road, Delhi. Perm —C/o V N. Datye, 20, Narayan Peth, Poona 2.	Asstt Research Officer.	R-NG.
6318	Dave, Bhaskerray Ratilal.	1916	B.Sc. Hons. (Bombay —'47) B.Sc. Tech. (Bombay —'49)	...	Pres.— Kundan Villa, 4th Floor, Shivaji Park Road No. 4, Bombay 28 Perm.— C/o Ratilal Savallal Dave, S I C., Bhavnagar Para Station, Saurashtra.	...	Un.
6319	De, Hari Gopal.	1904	B.Sc. (Calcutta—'26)	10 years of supervisory work in Engineering Dept. of B.C.P.W. and 15 years of analytical & manufacturing work connected with galen- ical preparations.	Pres.—M/s Bengal Che- mical & Pharmaceutical Works Ltd., Calcutta Perm — 3, Kali Kumar Banerjee Lane, Cal- cutta 2.	Chemist.	STO-I.
6320	De, Krishna Charan.	1901	B.Sc. (Calcutta—'29)	Manufacture of surgical dressings, chemicals and scientific apparatus. At present engaged in manufacture & sale of road tar.	Pres.—M/s Bengal Che- mical & Pharmaceutical Works Ltd., Calcutta 11.	Chemist.	STO-I.
6321	De, Nirmal Chandra.	1902	M.Sc. Appl. Chem. (Calcutta)	Since 1925 engaged in teaching work.	Pres.— Scottish Church College, 3 & 4, Azad Hind Bagh, Calcutta 6. Perm.— 5, Chidam Mudi Lane, Calcutta 6	Prof. of Chem	T-NG.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6322	De, Saradindu Sekhar.	1911	B.Sc. (Calcutta—'33)	Since 1935 engaged in therapeutic serum production.	Pres.—3, Kasbinath Dutta Road, Calcutta 36. Perm.—41/4, Sarat Chandra Dhar Road, Noppara, Calcutta 36.	Sr. Scientific Assistant, (Production)	STO-
6323	Deoras, Chandra-shekhar Mukund.	1927	B.Sc. (Nagpur—'49) B.Sc. Oil tech. (Nagpur—'52)	...	Pres.— Hindustan Oil Mills Co. Ltd., Nagpur. Perm.—C/o M.D. Deoras, Khare Town, Dharam Peth, Nagpur.	...	Appr.
6324	Desai, Ambrish Karpoori.	1918	B.Sc. Ind. Chem. (Banaras—'36)	Worked as Ghee-grading Chemist, Compost Bio-chemist and Assistant in soil survey	Pres.— Paderao Colony, Padegaon, P.O. Nira, Poona. Perm.— Ishwar Villa, Kalol, Panch Mahals.	Agricultural Officer.	STO-G.
6325	Dessi, Padmakant Shankerprasad.	1902	B.Sc. (Bombay—'23)	Manufacture of white sugar by double sulphitation & double carbonation processes, jaggery refining work and confectionery manufacture.	Pres.— C/o The Maharashtra Sugar Mills Ltd., P.O. Tilaknagar, Distt. Ahmednagar. Perm.— Sir Lallubhai Road, P.O. Andheri, Bombay.	Chief Chemist & Sugar Technologist	STO-I.
6326	Deshpande, Achyut Dhundiraj.	1926	B.Sc. (Nagpur—'46) M.Sc. Tech. (Nagpur—'48)	...	Pres.— High Explosive Factory, Kirkee, Poona. Perm.— Tellipura, Satabardi, Nagpur.	Supervisor.	STO-I.
6327	Deshpande, Manohar Bhagwant.	1909	B.Sc. Ind. Chem. (Banaras—'38)	Manufacture of sugar.	Pres.— Kesar Sugar Works Ltd., Baheri, Distt. Bareilly. Perm.— P.O. Mangrol Dustgir, Distt. Amravati	Asstt. Manufacturing Chemist.	STO-I.
6328	Deshpande, Pralhad Mukund.	1927	B.Sc. (Nagpur—'46) B.Sc. Tech. (Nagpur—'49)	...	Pres.—High Explosive Factory, Kirkee, Poona. Perm.—C/o M.R. Deshpande, Karmarkar's Wada, Mudholkar Peth, Amravati.	Chemical Supervisor.	STO-I.
6329	Dhar, Alekh Narayan.	1919	B.Sc. (Calcutta) Dr. Ing. (Dresden) F.I.O.S.	Plastics and allied chemical industries.	Pres.— Prov. Industrial Research Lab., P.O. Patna University, Patna. Perm.—P.O. Jahanabad, Gaya.	Chemist.	R-G.
6330	Dike, Heramb Ganesh.	1922	B.Sc. Hons. (Bombay—'44) B.Sc. Tech. (Bombay—'47)	Production & handling of acid, chlorine & caustic soda plants.	Pres.— Calico Mills, Ahmedabad. Perm.— C/o G.C. Dike, 481/81, Purandare Colony, Shukrawar, Poona 2.	Chemist.	STO-I.
6331	Dinesh Bhushan.	1924	B.Sc. (Agra—'44) A.H.B.T.I. Oil tech. (Kanpur—'47)*	Analysis and standardization of fatty acids and oils. Now engaged in the scrutiny of schemes relating to oil technological research.	Pres.— Indian Central Oilsseeds Committee, Shahjehan Road, New Delhi 2. Perm.— 'Shyam Kuteer', Hardeoganj, Hardoi, U.P.	Tech. Asstt.	Scientific editing.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6332	Dixit, Chakra Dhar.	1926	B.Sc. (Agra—'45) A.H.B.T.I. Oil tech. (Kanpur—'47)	Testing of petroleum lubricants & fuels.	Pres.—T.D.E. Labs., P.O. Box No. 340, Kanpur. Perm.— 109/251, Ram Krishna Nagar, Kanpur	Jr. Scientific Assistant.	STO-G.
6333	Doraikswamy, Krishna Iyer	...	B.Sc. Ind. Chem. (Banaras—'35) A.R.I.C. (London)	Since 1941 working on explosives with parti- cular reference to pro- pellants.	Pres.—Technical Develop- ment Establishment, Cordite Factory, Aru- vankadu, Nilgiris. Perm.—C/o T.D.E. (M.E.), Kirkee, Poona 3.	Sr. Scientific Assistant (Chemist)	STO-I
6334	Dore, Vishwanath Chinna.	1922	B.Sc. Ind. Chem. (Banaras—'42)	Glass technology and electric bulb manu- facture.	Pres.— C/o Dr. U.K. Sheth, 54, Prarthna Samaj Road, Vile Parle East, Bombay 24. Perm.— Do.	...	Up.
6335	Doshi, Ramanik Chhaganlal.	1925	B.Sc. Hons. (Bombay)	Brass & copper melting, casting, rolling and analysing.	Pres.—The Indian Smelt- ing & Refining Co. Ltd., Bhandup, Bombay. Perm.— Mazda Manor, Alexandria Road, Gam- devi, Bombay 7.	Chief Chemist.	STO-I
6336	Dua, Hari Krishan.	1911	B.A. Hons. Physics (Punjab—'30) M.Sc. Physics. (Pun- jab—'33) Cert. in Sugar tech. and Bact. (Kanpur)	Sugar & alcohol techno- logy and labour welfare work.	Pres.— Sugar Factory, Nawabganj, Gonda. Perm.— Do.	Chief Chemist.	STO-I.
6337	Dube, Raj Deo.	1915	B.Sc. (Banaras—'43) A.I.I.S.T. (Kanpur —'47) Training in sugar- cane cultivation.	For 6 years worked as Laboratory-in-Charge in a sugar factory. At present engaged in the management & develop- ment of agricultural farm.	Pres.—Vikram Agricul- tural Farm, Raji Jag- dishpur, P.O. Raj Dhanl, Gorakhpur. Perm.— C/o Dr. R.R. Dubey, Krishna Medi- cal Hall, Barhal Ganj, Distt. Gorakhpur.	Farm Manager.	STO-I.
6338	Dutt, Sunil Kumar.	1917	B.Sc. Tech (Banaras —'38)	(i) Extraction & process- ing of vegetable oils (ii) manufacture of soaps, cosmetics, disin- fectants, phenolic & alkyd resins, paints & varnishes (iii) statistical control of production, factory management & labour relations.	Pres.— Punjab Paint, Colour & Varnish Works, Kanpur. Perm.— 112, Soparpura, Banaras.	Chemist.	STO-I.
6339	Dutta, Charen.	1916	B.Sc. (Calcutta—'38) Dip. in Communica- tion Engg. (Bombay —'40) F.I.C.S.	Metallurgical analysis & heat treatment of non- ferrous alloys and metals.	Pres.—Ordnance Factory, Ambernath Perm.—123, Satyen Roy Road, P.O. Behala, Calcutta.	Chargeman	STO-I.
6340	Dutta, Anil Kumar.	1912	M.Sc. (Patna—'35)	18 years of sugar manu- facture.	Pres.— Lohat Sugar Works, P.O. Lohat, Distt. Darbhanga. Perm.—P.O. Madhubani, Distt. Darbhanga.	Manufacturing Chemist.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6341	Gaitonde, Mukund Marturao.	1914	B.Sc. (Bombay—'39) M.Sc. (Bombay—'42)	Testing and manufacture of cement, published papers on heterocyclic compounds.	Pres.— The Associated Cement Cos. Ltd., Kis- tina Cement Works, P.O. Mangalagiri, Distt. Guntur. Perm.— New Lakshmi Building, Lamington Road, Bombay.	Asstt. Chemist	STO-I.
6342	Gajanan, Salgaonkar Prabhakar.	1916	B.Sc. (Bombay)	Analytical work.	Pres.— M/s The Indian Standard Metal Co. Ltd., Bombay. Perm.—Salgaon, Savant- wadi, Distt. Ratnagiri.	Chief Chemist	STO-I.
6343	Gajendra Singh	1915	M.Sc. (Banaras—'37) Grad I.Ch.E. (U.K.) A.R.I.C. (London) F.I.C.S.	(i) Planning, erection of plants and manufacture of ceramics (ii) manu- facture of explosives and nitrocellulose. Published papers on 'China clay as a sizing material and manufac- ture of refractories.'	Pres.— Cordite Factory, Aruvankadu, Nilgiris. Perm.— Do.	Works Man- ager. (Chemist)	STO-I.
6344	Gambhir, Krishan Lal.	1915	B.Sc. Hons. (Punjab —'36) M.Sc. Tech. spl. Cer- amics, (Punjab—'37)	Supervising the produc- tion and distribution of salt and assisting in the development of salt industry.	Pres.—Jammnagar. Perm.— C/o The Aryan Press, Shah Pir Gate, Meerut.	Asstt Salt Commissioner	STA-G.
6345	Ganapathy Iyer, Kasi Viswanathab.	1928	B.Sc. (Madras—'49) B.Sc. Tech. (Madras —'51)	Working on the hydro- genation of oils.	Pres.—Tata Oil Mills Co. Ltd., Tatapuram. Perm.— C/o G.R. Gan- apathy Iyer, Vakil, 8, New Colony, Tuticorin.	...	Appr.
6346	Gangopadhyay, Arjya Kumar.	1929	M.Sc. Tech. spl. Oils & Soaps. (Banaras —'51)	...	Pres.—Gas Plant, Sindri Fertilizers & Chemicals Ltd., Sindri, Bihar. Perm.—28A, School Row, Calcutta 25.	Operator (Grd. I)	STO-I.
6347	Ganguli, B.N.	1904	B.Sc. (Calcutta) Dip. in Appl. Chem. (H.B.T.I., Kanpur)	22 years service in the Chemical Branch of T.D.E. Now engaged in research, development and inspection of paints & allied products be- sides drafting of speci- fications for the same.	Pres.— T.D.E. Labs., Kanpur. Perm.— 11/238, Souter- ganj, Kanpur.	Sr. Scientific Officer.	R-G.
6348	Ganguly, Kumar.	Bejoy 1916	B.Sc. Hons. (Calcutta —'37) M.Sc. Appl. Chem (Calcutta—'39)	Experience in manu- facture of glue, gelatine, bone & blood meals, manures, pharmaceuti- cals and injectables.	Pres.—Applied Chemistry Dept., Calcutta Univer- sity, Calcutta. Perm.— 1A, Nilmoni Mitta Row, Calcutta 2.	Lecturer.	T-SG.
6349	Ganguly, Kumar.	Sunit 1918	B.Sc. (Dacca—'39)	Manufacture of plastic goods.	Pres.— 11, Jadabghosh Lane, P.O. Baranagar, Distt. 24 Parganas. Perm.— Do.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6950	Ganti Ramam.	1926	B.Sc. Ceramic tech. (Banaras—'48)	Inspection and development of defence services stores of glass and ceramics.	Pres.—C/o T.D.E. Stores, P. Box No. 127, Kanpur. Perm.— C/o G. Subbarayudu Esq., Peruru, Amalapuram, Taluk, Distt. East Godavari.	Sr. Scientific Assistant.	STO-G.
6951	Garde, Gangadhar Moreshwar.	1912	B.Sc. (Bombay—'34) M.Sc. (Banaras—'36) A.R.I.C. (London) Training in Rayon process control(U.K.)	For 9 years worked as Incharge of chemical manufacturing and laboratory of a textile mill.	Pres.— C/o Gwalior Rayon Silk Mfg. Co. Ltd., Birlagram, Nagda, M.B. Perm.— Jiwaji Ganj, Lashkar, Gwalior.	Laboratory Supdt	STO-I.
6952	Garg, Narendra Pal.	1926	B.Sc. Ind. Chem. (Banaras—'46) A.H.B.T.I. Oil Chem. & Tech. (Kanpur —'48)	Planning & installation of oil milling machinery, production of various qualities of castor, groundnut & mustard oils, analysis and refining of oils.	Pres.— Shree Mahalakshmi Oil Mills Ltd., Agra. Perm — C/o L Nain Singh Das, Naya Ganj, Ghaziabad.	Chemist.	STO-I.
6953	Garg, R K.	1930	B.Sc. (Punjab—'49) M.Sc. Tech. (Punjab —'52)	.	Pres.—C/o Harish Chand, 1924, Kucha Usthabira, Dariba Kalan, Delhi. Perm.— Opp. Satyarthi Temple, Sonepat.	...	Un.
6954	Garg, Santosh Kumar	1926	B.Sc. (Agra—'45) A.H.B.T.I. Oil tech. (Kanpur—'48)	For 4 years worked on cottage oil scheme under Directorate of Cottage Industries (U.P.)	Pres.— Directorate of Cottage Industries, U.P., Kanpur. Perm.— C/o Sri Raj Bahadur Singh, Ram Bagh Road, New Mandi, Muzaffarnagar, U.P.	Supdt of Indus- tries (Refugee Loan)	STO-I.
6955	Garg, Shiam Lal.	1915	B.Sc. (Agra—'37) LL.B. (Agra—'39) A.H.B.T.I. Oil Chem. (Kanpur—'40)	Fabrication & erection of plants related to oils and allied industries.	Pres — M/s Bhagat Oil Mills, Calcutta Perm.— C/o Aggarwal Shoe Stores, Naya Bazar, Saharanpur.	Works Manager and Chief Chemist	STO-I.
6956	Gautam, Hari Shankar.	1911	B.Sc. (Lucknow—'31) M.Sc. Org. Chem. (Lucknow—'33) A.H.B.T.I. Sugar tech (Kanpur—'35) F.I.I.S.T. (Kanpur —'39)	18 years work in sugar manufacture.	Pres.— Mawana Sugar Works, Mawana, Distt. Meerut. Perm.— C/o Shri Daya Shankar Sharma, Pro fessor, Colvin Taluqdars College, Lucknow.	Chief Chemist.	STO-I.
6957	Gaya Prasad.	1915	B.Sc. (Banaras—'38) M.Sc. (Banaras—'42) Course in oil milling & soap manufacture (Kanpur—'47)	Analysis of oils, fats, ghee and soap manufacture.	Pres.— C/o Mr. Mahe- shendra Kamlesh Srivastava, 175-A, Khalasi Lane, Kydganj, Allah- abad. Perm.— C/o B. Mahesh Prasad, Mahesh Nar- singha Sadan, Babaganj, Partabgarh, U.P.	...	Un.
6958	Ghorai, Mohammed Ali Khan.	1924	B.Sc. Hons. (Anna- malai—'44) B.Sc. Leather tech. (Madras—'47)	For a year worked on leather tanning.	Pres.—C/o A.K. Ghorai, Retd. Judge, Summan- dapuram, Rajapalai- yam, Distt. Ranmed. Perm.— Do.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6369	Ghosal, Krishna. Jiban	1923	B.Sc. Hons. (Dacca —'44)	(i) Textile manufacture & testing (ii) research work in the develop- ment of defence stores	Pres.—T.D.E. (T. & C.), Kanpur. Perm.— C/o Shri U.C. Ghosal, P-122-B, Karaya Road, Calcutta 17.	Jr. Scientific Assistant.	STO-I.
6360	Ghosal, Chandra. Montosh	1928	B.Sc. (Calcutta—'44) Dip. in Soap tech. (Calcutta—'46)	Worked for 5 years as Oil Chemist and 2 years as Analytical Chemist.	Pres.—Sindri Fertilisers & Chemicals Ltd., Sindri. Perm.— O/o Saradhar Ghosal, P.O. Gauhati, Assam.	Jr. Chemist.	STO-I.
6361	Ghose, Nishi Nath.	1903	B.Sc. (Calcutta—'23)	29 years experience in sugar manufacture.	Pres.— Lohat Sugar Works, P.O. Lohat, Distt. Darbhanga, Bihar. Perm.— P.O. Sempur Factory, Distt. Purnea.	Factory Mana- ger & Chief Chemist.	STO-I.
6362	Ghosh, Dhirendra Bhusan.	1918	M.Sc. Appl. Chem. (Calcutta)	Oil Chemistry (essential), fixed and mineral oils).	Pres.—180, AMN DETT No. 1 OFD, 56 A.P.O., New Delhi Perm.— O/o Sri B.B Ghosh, The Dwarkash Ram, P.O. Bhagalpore, Bihar.	Ordnance Officer.	STO-G.
6363	Ghosh, Indu Madhab.	1922	B.Sc. (Calcutta—'48)	9 years work in varnish & resin manufacture and industrial & deco- rative finishes,	Pres.— British Paints Ltd., Calcutta. Perm — Vill. & P.O. South Rammagore, Distt 24 Parganas.	Works Chemist.	STO-I.
6364	Ghosh, Chandra. Kartik	1914	B.Sc. (Calcutta—'33) M.Sc. (Calcutta—'38)	Over 10 years of analyti- cal work.	Pres.— Laboratory Sec- tion, Ordnance Fac- tory, Kalpi Road, Kanpur. Perm -30, Amherst Row, Calcutta 9.	Chargeman.	STO-I.
6365	Ghosh, Ratan. Profulla	1917	B.Sc. Hons. (1938)	4 years work in manufac- ture of acids & chemi- cals and 11 years in coal tar distillation.	Pres.— C/o Bengal Che- mical & Pharmaceutical Works Ltd., Calcutta. Perm.-14, Mohou Bagan Row, Calcutta 9.	Chemist.	STO-I.
6366	Ghosh, Chandra. Rames	1916	B.Sc. Hons. (Calcutta —'38) M.Sc. Appl. Chem. (Calcutta—'38)	Textile technology with special reference to analysis and testing of textiles.	Pres.—C/o I.G.S. Labs., Ahmedabad House, Bal- lard Estate, Bombay 1. Perm.— O/o Devesh Chandra Ghosh, 89-A, Raja Dinendra Street, Calcutta 6.	Jr. Scientific Officer.	STO-G.
6367	Gilliwala, Somatilal Thakordas.	1929	B.Sc. (Bombay—'51) B.Sc. Food tech. (Bombay—'59)	...	Pres.— Ground Floor, Room No. 18, 142, Kika Street, Bombay 4. Perm.— Do.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6368	Gobhil, Rishi Kumar.	1914	B.Sc. (Allahabad-'33) A.H.B.T.I. Oil tech. (Kanpur—'35) F.H.B.T.I. (Kanpur —'37)	Specialized in oil technology (teaching, research and manufacture) including allied products like soaps, paints & varnishes. Published papers on saponification of mahua oil, preparation of oil-cloth & hardened gum from resin and reports on the vegetable oil & soap industries.	Pres.— Central Control Laboratory, P.O. Nawabganj, Kanpur. Perm.— Do.	Chief Chemist.	STO-G.
6369	Goel, Shatrughan Autar.	1928	B.Sc. (Agra—'48) A.I.I.S.T. (Kanpur —'51)	Since 1951 engaged in sugar manufacture.	Pres.—H.R. Sugar Factory Ltd., Bareilly. Perm.— Ramniketan, Bareilly.	Deputy Chief Chemist.	STO-I.
6370	Gogte, Dwarkanath Vishnu.	1898	B.Sc. (Allahabad-'21) P.G. Cert. in Oil tech. (I.I.Sc., Bangalore —'25)	Worked for 17 years in analysis and testing of oils, fats, petrol, bitumen, tars, paints and metals. Now engaged in the inspection of textiles, leather, chemicals, etc	Pres.— Bombay Inspection Circle, Ministry of Works, Production & Supply, Bombay. Perm.— C/o P.V. Gogte, Gogte Pharmacy, Supari Hanuman Road, Auran-gabad City.	Asstt. Inspect- ing Officer. (Textiles)	STO-G.
6371	Gokhale, Diukar Gangadhar.	1923	B.Sc. Hons. (Bombay —'48) B.Sc. Tech. spl. Plas- tics, Paints & Varn- ishes (Bombay—'50)	Manufacture of boiled oils and pigments.	Pres.—593, Jame Jamshed Road, Matunga, Bombay 19. Perm.—66, Sanehalataganj, Indore City	...	Un.
6372	Gokhale, Shrikrisna Vishwanath	1927	B.Sc. Hons. (Bombay —'48) D.C.T. (Baroda)	Dyeing of woollen garments.	Pres.— Navliwala Bldg., Station Road, Anand, Distt Kaira. Perm.— C/o Mr. V.M. Gokhale, Inspector of Posts, Joshi Wada, Near Shankar Talivad-nana Mandir, Miraj.	Asstt Chemist.	STO-I.
6373	Gokhale, Sudarshan Dattatraya.	1926	B.Sc. (Banaras—'47) M.Sc. (Bombay—'51)	Working in a research scheme on 'Electro-refining & recovery of copper from its scrap', published papers on the same.	Pres.— 176-A, Parashu-ramwadi, Girgaum, Bombay 4. Perm.— 289B, Narayan Peth, Poona.	Jr. Research Assistant. (C.S.I.R.)	R-S
6374	Gopinath, Nanthava- nathu Damodaran.	1912	B.Sc. (Madras—'35) F.I.C. (India) F.I.O.S.	About 7 years work in manufacture of cement and 9 years in manufacture of acids, fertilizers and industrial gases including development & research work connected with these industries.	Pres.— Fertilizers & Chemicals, Travancore Ltd., P.O. Udyogman-dal, Alwaye. Perm.— C/o O.N. Panik-ker, Near Police Station, Nagercoil, Travancore-Cochin State	Chief Chemist.	STC-I.
6375	Goswami, Nikhilendu.	1929	Assoc. B.T.I. Textile tech. (1945) Dip. in textiles (Bolton, U.K.—'48) F.T.C. Textile tech. (C. & G. London—'48)	Spinning and weaving.	Pres.— Doris Terrace, Caesar Road, Amboli, Andheri, Bombay. Perm.— P. 81, Sardar Sankar Road, Calcutta 29.	...	Un

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6376	Govil, Chandra. Harish	1911	B.Sc. (Agra—'31) LLB. (Delhi—'87)	Manufacture and refining of non-ferrous metals and alloys.	Pres.— C/o Indian Smelt- ing & Refining Co. Ltd., Imperial Bank Annexe, Bank Street, Fort, Bombay 1. Perm.—16, Babar Road, New Delhi.	Manager.	STO-L.
6377	Govila, Swarup. Krishna	1928	B.Sc. Ind. Chem. (Banaras—'46) Soap Diploma. (Ban- aras—'48)	Manufacture of cosmetics, inks, soaps, etc. Now doing testing & analysis of foodstuffs & chemi- cals.	Pres.—Central Composite Food Laboratory, Q.M.G's Branch, Army Hd. Quarters, New Delhi. Perm — Shanti Villa, Khurja, Distt. Bulund- shahr.	Sr. Lab. Asstt	STO-G.
6378	Govindarajan, Othi- kudu.	1926	B.Sc. (Madras—'46) B.Sc. Textile tech. (Madras—'49)	Spinning, weaving and dyeing	Pres.— 28, Manicka Chetty Street, Vepery, Madras 7 Perm.— Do	...	Un.
6379	Grover, L.D.	1929	B.Sc. (Punjab—'48) B.Sc. Glass tech. (Banaras—'52) M.Sc. Glass tech. (Banaras—'53)	Working in C.S.I.R. re- search scheme on 'Critical examination of the use of nepheline syenite in India in glass factories'.	Pres.— Dept. of Glass Technology, Banaras Hindu University, Banaras. Perm—C/o J.R. Grover, Naval Head Quarters, P.O. DHQ, New Delhi.	Jr. Research Assistant	R-SG.
6380	Grover, Pran Nath.	1930	M.Sc. (Punjab—'52)	Worked on plywood adhesives and fire-proof- ing of wood.	Pres.— C/o D.R. Grover, The Cold Storage & General Mills Ltd., P.O. Birla Nagar, Gwalior. Perm.— Do.	...	Un.
6381	Guha, Mohan. Jitendra	1916	B.Sc. Hons. (Dacca —'37)	Doing research and ana- lysis of petroleum and allied products like lubricants, corrosion preservatives, etc.	Pres.— T.D.E. Labs., Kanpur. Perm.—Laxmi Narayan Colony, Garia, Calcutta.	Sr. Scientific Assistant	R-G.
6382	Gupta Prakash. Chandra	1924	B.Sc. (Agra—'44) A.I.I.S.T. (Kanpur —'48)	Worked for 2 years in sugar manufacture.	Pres.— C/o Shri Ram Swaroop Gupta, Inspec- tor, N.I. Co. Ltd., Nai- basti, Sitapur, U.P. Perm — Do.	...	Un.
6383	Gupta, G.D.	1930	B.Sc. Hons. (Punjab —'51) M.Sc. Tech. (Punjab —'52)	...	Pres.—C/o Mr. Nand Lal Gupta, 1, Raghunandan Bhawan, Naya Bazar, Delhi. Perm.— Do.	...	Un.
6384	Gupta, Gopinath	1907	B.Sc. (Agra—'30) F.H.B.T.I. (Kanpur —'47)	Teaching to postgraduate students in chemical engineering & technolo- gy and conducting research on essential oils & aromatic chemi- cals, published several papers on utilization of byproducts of sugar industry and essential oils.	Pres.—H.B.T.I., Nawab- gunj, Kanpur. Perm.—2/54, Nawabgunj, Kanpur.	Research Che- mist.	TR-G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6385	Gupta, Joginder Lal.	1923	B.Sc. Hons. (Punjab —'44) M.Sc. Tech. (Punjab —'45) M.S. (Brooklyn—'49) Ph.D. High Polymer Chem. (Brooklyn —'51)	Research and teaching in high polymer & organic chemistry, published papers on 2-alkyl butadienes and 3,4 dimethoxythiophene.	Pres.— Qilla Bhangian, New Abadi, Amritsar. Perm.— Do.	...	Un.
6386	Gupta, Monoranjan.	1903	B.Sc. Hons. (Calcutta —'24)	14 years work of manufacture and quality control of perfumes and 10 years in printing inks.	Pres.—Printing Ink Dept., Bengal Chemical & Pharmaceutical Works, Calcutta. Perm.— 9E, Jogodyan Lane, Calcutta 11.	Officer-in-Charge.	STO-I.
6387	Gupta, Narendra.	1922	B.Sc. (Agra—'42) A.H.B.T.I. spl. Oil tech. (Kanpur—'44)	Refining of vegetable oils and manufacture of soaps, paints, varnishes & boiled oils.	Pres.— 112/249, Arya Nagar, Kanpur. Perm.— C/o Sri Keshav Gupta, M.L.A., Muzaffarnagar, U.P.	Chief Chemist.	STO-I.
6388	Gupta, Om Parkash.	1928	B.Sc. Hons. (Punjab —'49) M.Sc. Tech. (Punjab —'51)	Teaching chemistry to inter & degree classes.	Pres.— Arya College, Ludhiana. Perm. C/o Prof. N.R. Aggarwal, D.M. College, Moga, Punjab.	Lecturer in Chemistry.	T-NG.
6389	Gupta, Ram Gopal.	1914	B.Sc. (Banaras—'36) A.H.B.T.I. Oil tech. (Kanpur—'40) F.I.O.S.	4 years work in the manufacture of vanaspati ghee and soap. Published papers on soap technology, keeping qualities of vegetable oils and a study of present condition of oil industry of India.	Pres.— Vanaspati Factory, Dalmianagar, Bihar. Perm.— C/o Shri Ram Saran, 775, Daraganj, Allahabad.	Production Manager.	STO-I.
6390	Gupta, Shri Dhar.	1920	B.Sc. (Agra—'41) A.H.B.T.I. Oil tech. (Kanpur—'43)	Refining & hydrogenation of oils.	Pres.— Modi Vanaspati Mfg. Co., Modi Nagar, Distt. Meerut. Perm.— C/o Shri Vidya Dhar Goyal, XI 3204, Kucha Tara Chand, Darya Ganj, Delhi 7.	Deputy Chief Chemist.	STO-I.
6391	Gupta, Shyam Lall.	1908	B.Sc. (Allahabad—'31) M.Sc. Physics. (Allahabad—'33)	Since 1934 working in the manufacture of sugar.	Pres.— The Lakshmi Sugar & Oil Mills Ltd., Hardoi. Perm.— White Ganj, Hardoi, U.P.	Chief Chemist & Factory Manager.	STO-I
6392	Gupta, Sukumar.	1913	B.Sc. (Calcutta—'36)	Testing, classification and sampling of coal & coke, washability of coals and quality control of metallurgical coke; published papers.	Pres.— Regional Coal Survey Station, P.O. Namkum, Ranchi. Perm.— C/o Sri K.P. Gupta, Okui, Hazaribagh.	Officer-in-Charge.	R-G.
6393	Gupta, Chandra. Suresh	1913	B.Sc. (Agra—'33) A.H.B.T.I. Sugar tech. (Kanpur—'35) F.I.I.S.T. (Kanpur —'41)	18 years work in manufacture of sugar including 6 years in manufacture of fruit products, vinegar and confectionery.	Pres.— The Neoli Sugar Factory, P.O. Neoli, Distt. Etah. Perm.— P.O. Barhapura, Distt. Bijnor, U.P.	Chief Chemist	STO-I

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6394	Gupta, Susil Kumar.	1900	B.Sc. (Calcutta—'19)	For 9 years worked in the manufacture of tar & its products and for 3 years on soap. At present controlling the manufacture of surgical dressings	Pres.— C/o Bengal Chemical & Pharmaceutical Works Ltd., P.O. Panighati, Distt. 24 Parganas	Chemist.	STO—I.
6395	Gupta, Ved Swarup.	1931	B.Sc. (Agra—'49) Dip. in Oil tech. (C. & G. London—'51) Dip. in Chem. Engg. & Tech. (Delhi—'59)		Pres.—Shri Ram Inst. for Industrial Research, Delhi. Perm.—Vill. & P.O. Barhapore, District Bijnor.	...	Appr.
6396	Gupte, Vasudeo.	1906	B.Sc. (Bombay) B.Sc. Tech. spl Textile Industries (Manchester)	4 years work in textile mills and 16 years at the Technological Laboratory doing routine testing of cottons and research work pertaining to spinning; published papers on the same.	Pres.— Technological Laboratory, Matunga, Bombay 19 Perm.— Do.	Spinning Master.	R-SG.
6397	Guptarey, Jashendra Kisor.	1916	M.Sc. Org. Chem. (Calcutta—'39)	9 years work in the manufacture of cosmetics, perfumes and allied products.	Pres.—Perfumery Manufacturing Section, B.C.P.W. Ltd., 164, Manicktala Main Road, Calcutta-11	Chemist.	STO—I.
6398	Hakeem, Chandan Lal.	1919	B.Sc. (Punjab—'40)	12 years work in the manufacture of sugar and soil analysis for the development of sugarcane.	Pres.—The Punjab Sugar Mills Co Ltd., P.O. Ghughli, Distt. Gorakhpore. Perm— O/o Krishna Models Mig. Co., 15, Anand Parbat, Karol Bagh, New Delhi.	Manufacturing Chemist.	STO—I.
6399	Harbhajan Singh.	1927	B.Sc. Hons. (Punjab—'48) M.Sc. Tech. (Punjab—'50)	...	Pres.— O/o S. Khazan Singh, Ranbirganj Street, Sangrur. Perm.— Do.	...	Un.
6400	Harcharan Singh.	1927	B.Sc. Hons. (Punjab—'49) M.Sc. Tech. (Punjab—'50)		Pres.— C/o S. Lakshmi Singh, Head Master, Govt. Industrial School, Ferozepore City. Perm—C/o S. Gurbachan Singh, Sub Post-master, P.O. Ludhiana City.	...	Un.
6401	Hardit Singh.	1918	B.Sc. (Agra)	Sugar manufacture.	Pres.— C/o G. Singh, Asstt. Labour Welfare Officer, Tinplate Co., P.O. Golmori, Tatanagar. Perm.—C/o S. Indra Singh Panjabl, Mohalla Padarpura, Bankura, W. Bengal.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6403	Harwalkar, Venkatesh Rangarao.	1927	B.Sc. Ind. Chem. (Banaras—'48) M.Sc. Tech. spl. Oils & Soaps. (Banaras—'50)	Doing research in oils and soaps.	Pres.— Central Laboratories for Scientific & Industrial Research, Narayanguda, Hyderabad Perm.— Uruj Munzil, Flat No 3, Gunfoundry, Hyderabad.	...	R-G
6403	Hira, B.R.	1918	B.Sc. (Punjab—'39) B.Sc. Hons. (Punjab—'41) M.Sc. Tech. (Punjab—'42)	Since 1942 teaching chemistry to graduate & post-graduate classes	Pres.— Bareilly College, Bareilly Perm.— C/o Mali Ram & Sons, Jewellers, 1604, Dariba Kalan, Delhi.	Lecturer in Chemistry	T-NG.
6404	Iyengar, Madura RamaIengar Govindaraj	1914	B.Sc. (Mysore—'34)	For 6 years worked in the Mysore Iron & Steel Works and since 1943 engaged in testing paints & any development work involved therein in the T.D.E.	Pres.— T D E. Laboratories, Kanpur Perm.— C/o M. Shamachar, No. 29/72, Obalappa Street, Chikmagally, Near Lalbagh, Bangalore City	Section Officer (Paints Branch)	STO-G.
6405	Iyer, B. Gopala.	1921	B.Sc. Hons. (Mysore—'44) M.Sc. Appl. Chem. (Mysore—'48)	Examination of applications for patents	Pres.— 71/D, Hindustan Park, Calcutta 29.	Asstt. Examiner of Patents.	STO-G.
6406	Iyer, K. Suriyanaryana.	1926	B.Sc. (Madras—'45) A.J.I.S.T. (Kanpur—'52)	Sugar manufacture and distillery work.	Pres.—C/o S. Krishna Iyer, Vakil, Ramavaramapuram, Nagercoil, Travancore-Cochin. Perm.— Do.	...	Un.
6407	Iyer, Tharakad Subramania.	1907	B.A. (Madras) M.A. Chem. (Madras) A.R.I.C (London)	During 17 years service carried out investigations on nitrocellulose and plastic explosives.	Pres.—High Explosive Factory, Kirkee Perm.— Do	Asstt. Works Manager (I.O.S.)	STO-I
6408	Jagannath, S.	1925	B.Sc. Textile tech. (Mysore—'52)	Weaving, dyeing and designing.	Pres.—C/o M. Srinivasah, Asstt Analyst, Corporation Offices, Bangalore 1	..	Un.
6409	Jagtar Singh.	1910	B.Sc. (Punjab—'29) B.Sc. Hons. (Punjab—'31) M.Sc. Botany. (Punjab—'32)	Since 1934 working in the manufacture of sugar.	Pres.— K. M. Sugar Mills, P. O. Motinagar, Distt. Faizabad, U.P. Perm.— C/o Dr. Sunder Singh, 219, Rajpur Road, Dehradun.	Chief Chemist	STO-I
6410	Jain, Gulab Chand.	1928	B.Sc. Ind. Chem. (Banaras) M.Sc. Tech. (Banaras)	Small scale industries concerning oils and soaps	Pres.—Dhrangadhra Perm.—C/o Gyanu Rubber Industries, Mambledar Wadi, Malad, Bombay.	Dy. Supdt. of Salt.	STO-I.
6411	Jain, Hukam Chand.	1927	B.Sc. Ind. Chem. (Banaras—'50) M.Sc. Tech. spl. Chem. Engg. & Fine Chemicals.	...	Pres.— C/o M/s Gujjar Mal Ranjit Ram, P.O. Dera Bassi, PEPSSU. Perm.— Do.	...	Un.
6412	Jain, Madan Lal.	1928	M.Sc. Tech. (Punjab—'50)	Worked on the activation of carbon by chemical methods.	Pres.—J.I.R. Laboratories, Gwalior. Perm.— 41, Manorma Ganj, Indore.	Industrial Chemist.	R-

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6413	Jain, Mahabir Pershad.	1915	B.Sc. (Agra—'35) LL.B. (Agra—'37)	Since 1943 engaged in stores preservation and packing of all types of stores held in Ordnance Services, published papers.	Pres.—C/o R.B. Satya Prakash Lall, 75, Darya Ganj, Delhi. Perm.—C/o Shri H.L. Jain, 384, Kabari Bazar, Meerut Cantt.	Stores Preservation & Packing Officer.	STO-G.
6414	Jain, Nagina Lal	1916	M.Sc. Tech. (Punjab—'39)	12 years research work in fruit and vegetable preservation, published papers on fruit and vegetable technology.	Pres—Fruit Tech. Divn., Central Food Technological Research Inst., Mysore. Perm.—C/o L. Jaswant Rai Jain, Advocate, Bazar Jamadar, Amritsar.	Jr. Scientific Officer.	R-SG.
6415	Jain, Prem Lal.	1917	B.Sc. (Agra—'30) D.T.M. (Kanpur—'44)	Worked for 8 years as Asstt Weaving Master on testing of cloth & yarn and erection of weaving machinery.	Pres.—Changamal Ka Hata, Juhu, Kanpur. Perm.—Do.	...	Un.
6416	Jain, Pritam Chand.	1930	B.Sc. Ind. Chem. (Banaras—'50) M.Sc. Tech. (Banaras—'52)	...	Pres.—1, Laxman Bagh, Kanpur. Perm.—C/o Prem Electric Dry Cleaners, Maler Kotla, PEPSU.	...	Un.
6417	Jain, Sumeru Chandra.	1902	B.Sc. Hons. (Patna—'24) B.S. Hons. Sugar tech (Hawaii, U.S.A.—'27)	Manufacture of sugar, paper & pulp from bamboo, aluminium from bauxite and design & erection of chemical plants for cement & caustic soda.	Pres.—Aluminium Corporation of India Ltd., 7, Council House Street, Calcutta. Perm.—Chandra Sadan, 1st Mahajan Toli, P.O. Arrah, Bihar.	General Manager.	STO-I.
6418	Jaiswal, Rajendra Prasad. (F/Off.)	1926	B.Sc. (Agra—'48)	Storage & maintenance of air force explosives & ammunition	Pres.—I.A.F., Gurgaon. Perm.—C/o Mrs. M.L. Jaiswal, Gokal Pura, Agra.	Stock Control Officer.	STO-G.
6419	Jakate, Dattatraya Narayan.	1928	B.Sc. Ind. Chem. (Banaras—'48) M.Sc. Tech. (Banaras—'51)	...	Pres.—C/o N.S. Jakate, P.O. Arvi, Distt. Wardha. Perm.—Do.	...	Un.
6420	Javeri, Subhaschandra Dayachand.	1929	B.Sc. Hons. (Bombay—'50) L.T.C. Textile Chem (V.J.T.I., Bombay—'52)	Analysis of textile stores.	Pres.—Directorate of Technical Development, Bombay. Perm.—Villa Belle Vue, 3rd Floor, Avantikabai, Gokhale Street, Bombay 4.	Jr. Scientific Assistant	STO-I
6421	Jerath, Ram Pratap.	1914	B.Sc. Hons. (Punjab—'36) M.Sc. Tech. (Punjab—'37) B.T. (Punjab—'40)	For 4 years worked as Head of the Dept. of Chemistry. Since 1950 engaged in teaching metallurgy particularly the heat treatment of metals & alloys and applied chemistry (fuels, boiler feed water, lubricants, cements, etc.)	Pres.—Birla College of Engineering, Pilani. Perm.—C/o Kidar Nath Jerath, Bajwara, Distt. Hoshiarpur.	Asstt. Prof. of Appl. Chem.	T-NG.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6422	Jhingan, Tara Chand.	1907	B.A. Hons. Physics. (Punjab—'28) M.Sc. Physics. (Punjab—'30) Dip. in sugar manufacture. (C. & G. London)	19 years experience of sugar manufacture.	Pres.— Sir Shadi Lal Sugar & General Mills Ltd., P.O. Mansurpur, Distt. Muzaffarnagar. Perm — C/o Pt. Vishnu Datta, The Ganga Glass Works Ltd., Balawali, Distt. Bijnor	Chief Chemist.	STO-I.
6423	Jogindar Singh.	1917	B.Sc. Hons. Training in the manufacture of chemicals & application of dyestuffs. (U.K.)	Administrative work with regard to the development of chemical industries	Pres.— Development Wing, Ministry of Commerce & Industry, New Delhi. Perm.— Do	Dy Develop- ment Officer.	STA-G
6424	Joseph, K.A.	1925	B.Sc. (Madras—'46) B.Sc. Leather tech. (Madras—'48)	Worked for 3 years in the teaching line.	Pres.— Institute of Leather Tech., Washermanpet, Madras 21. Perm.— Kochicunnel, P.O. Arakuzhar, Travancore-Cochin	Jr Research Chemist	R-G.
6425	Joshi, Govind. Bhasker	1918	B.Sc. Ind. Chem. (Banaras—'38) M.Sc. (Banaras—'40)	For 12 years worked in the manufacture of dichromates & allied chemicals	Pres — Prasad, Plot No 42, Shri Krishna Nagar, Borivili (East). Perm.— Do.	..	Un
6426	Joshi, Bhuban Chandra.	1909	B.Sc. (Allahabad—'32) M.Sc. Botany. (Lucknow—'34) A.H.B.T.I. Sugar tech (Kanpur—'36) F.I.I.S.T. (Kanpur—'42)	Worked for 14 years in sugar manufacture At present conducting research work on palm jaggery & palm sugar and imparting training. Published papers on sugar candy, clarification of cane juices, manufacture of butyl alcohol and acetone from molasses and palm sugar industry.	Pres.— Central Palm Gur Training School, Cuddalore, S. India. Perm — Manorath Bhawan, Almora, U.P.	Chemist (Offg Principal)	TR-G.
6427	Joshi, Harivadan Balkrishna.	1909	B.Sc. (Bombay—'27)	Since 1935 engaged in testing of cotton yarns and clothing.	Pres.— Technological Laboratory, Indian Central Cotton Committee, Matunga, Bombay 19. Perm.— 'Prarabhdha', 491A, Fifteenth Road, Khar, Bombay 21.	Head Tester & Supdt. of Testing House.	STO-SG.
6428	Joshi, Kashinath Abajl.	1902	B.Sc. Ind. Chem. (Banaras—'26) M.Sc. Ind. Chem. (Banaras—'28)	20 years experience in sugar manufacture	Pres — C/o Walchandnagar Industries Ltd., Walchandnagar, Distt. Poona. Perm.— 385, Narayan Peth, Poona 9	Chief Chemist & Sugar Technologist	STO-I.
6429	Joshi, Madhusudan Ramchandra.	1931	B.Sc. Hons. (Bombay—'51) B.Sc. Food tech. (Bombay—'53)	...	Pres — Shanti Kunj, First Floor, 124, Hindu Colony, 6th Lane, Dadar, Bombay 14. Perm — Do.	...	Un

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6490	Joshi, Raghunath Gadadhar.	1929	B.Sc. Hons (Bombay '50) B.Sc. Tech. spl Textiles (Bombay '52)	...	Pres.— 8/141, Shastri Hall, Tardeo Road, Bombay 7. Perm.— C/o G.V. Joshi, 2790, Tilak Lane, Ratnagiri. Pres.— Central Laboratories for Scientific & Industrial Research, Hyderabad 7. Perm.— Do.	...	Un.
6491	Joshi, Shamrao Sheesh-girrao	1915	B.Sc. Ind. Chem. (Banaras—'41) M.Sc. Oil tech. (Banaras—'48)	Doing general analysis and research work in vegetable oils, contributed papers.	Scientific Officer.	R-G.	
6492	Joshi, Vasant Navnit-lal.	1930	B.Sc. Hons. (Bombay '51) B.Sc. Textile tech. (Bombay—'58)	...	Pres.— C/o K.N. Joshi, Madhav Wadi, Second Floor, Room No 20A, Naigaon Cross Road, Dadar, Bombay. Perm.— Do.	...	Un.
6493	Joshi, Vishnu Chintaman	1912	B.Sc. (Banaras—'34) M.Sc. (Banaras—'36)	Inspection of chemical stores of all nature from trade & industry.	Pres.— 196/55, Sadashiv Peth, Poona 2 Perm — Do.	Chargeman.	STO-G.
6494	Kacker, Prem Nath.	1931	B.Sc. (Agra—'49) A.H.B.T.I. Chem. Tech. (Kanpur—'51)	Working on insecticides.	Pres.— 8/50, Aryanagar, Kanpur. Perm — 98, Beru Well, Meerut.	Research Scholar.	R-S
6495	Kale, Hari Vinayak	1916	B.Sc. (Nagpur—'37)	Selection, prospecting & quarrying of ceramic raw materials and operation of pottery kilns.	Pres.— C/o Katni Cement Works, Katni. Perm.— Dhangoli, Nagpur.	Ceramic Chemist.	STO-I.
6496	Kale, Ramchandra Auant.	1926	B.Sc. Hons (Bombay—'46) B.Sc. Tech. spl Foods & Drugs. (Bombay—'48) Nutrition Course at N.R. Labs. (Coonoor)	Worked on the analysis of food and its preservation	Pres.— College of Agriculture, Dharmawar. Perm — C/o A.B. Kale, 181, Tapowan Kopri Road, Nanpada, Thane, Bombay.	Lecturer in Agri Chem	T-Q
6497	Kamalanathan, Terah John.	1914	B.Sc. (Madras—'38) A.H.B.T.I. Oil tech. (Kanpur—'47)	Knowledge of protective & decorative coatings, pigments & dyes, drying oils, etc.	Pres.— Agmark Ghee Grading Station, A.G. & Co., Tirupur Perm.— B.O. Polipally, via Chittivalasab, Distt Vizagapatam.	Chemist-in-Charge.	STO-I.
6498	Kandaswamy, Rama-swamy Chettiar Kandaswamy Chettiar.	1911	B.A. (Madras—'32) B.Sc. (Manchester—'34)	Textile engineering as applied to spinning and weaving.	Pres.— The Vasanta Mills Ltd, Singanallur, Coimbatore. Perm.— 'Brindavan', Trichy Road, Coimbatore.	General Manager.	STO-I.
6499	Kane, Govind Pandurang	1911	B.Sc. (Bombay—'31) M.Sc. (Bombay—'34) Ph.D. Chem. Tech. (London—'38) D.I.C. (London—'36) F.A.Sc. (India) A.M.I.Ch.E. (London)	Specialization in by-products of the salt industry and high pressure reactions. Published a number of papers on the influence of pressure on the spontaneous ignition of hydrocarbons and on the separation of bitter constituents	Pres.— Dept. of Chem. Tech., Matunga Road, Bombay 19. Perm.— Flat 2B, Shree Pant Bhawan, Bombay 7.	Prof. of Chem. Engg	TR-SG.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6440	Kantaria, Gordhan-das Dahyala.	1927	B.Sc (Bombay—'49) B.Sc. Tech. spl. Textiles. (Bombay—'51)	...	Pres.— C/o Amrital Kamalshi, New Agra Road, Hari Nivas, Kalyan, Bombay. Perm.— C/o Gokaldas Bhavanbhai, Bilkha, Saurashtra.	...	Un.
6441	Kapoor, Amarnath.	1910	B.Sc. (Allahabad—'31) A.H.B.T.I. Sugar Chem. & Tech. (Kanpur—'33) F.I.S.T. (Kanpur —'38)	Manufacture of sugar (17 years) including power alcohol (8 years) and refining & hydrogenation of oils (10 years).	Pres.— New Swadeshi Sugar Mills, Narkataganj, Distt Champaran. Perm.—C/o Nanek Chand Kapoor, Pleader, Partapgarh, U.P.	Chief Chemist.	STO-I.
6442	Kapoor, Inder Jeet.	1928	B.Sc. (Punjab—'48) B.Sc Hons. (Punjab —'51) M.Sc. Tech. (Punjab —'52)	...	Pres.—Ranmnagar, Behind Seth Mona Lall Mills, G.T. Road, Delhi-Shahdra.	...	Un.
6443	Kapoor, Ram Prakash.	1927	B.Sc. (Punjab—'49) M.Sc. Tech. (Punjab —'52)	...	Pres.—C/o S. Gursharan Singh, Nangal Research Laboratory, Nangal Township, Punjab Perm.— 20/H, Hudson Lines, Delhi 9.	...	Un.
6444	Kapre, Gajanan Wasudeo.	1925	B.Sc. (Agra—'46) M.Sc. Org. Chem. (Agra—'52) A.H.B.T.I. Oil Chem. & Tech. (Kanpur—'49)	...	Pres.—11/2, Civil Lines, Kanpur. Perm — Do.	...	Un.
6445	Kapur, Narinder Singh.	1925	B.Sc Hons. (Punjab —'46) M.Sc (Punjab—'48) M.I.E.T. (London) F.O.S (London) F.I.C.S	Working on problems connected with storage & preservation of fruits, published papers on the same.	Pres — Central Food Technological Research Institute, Mysore. Perm.— 3, Aurangzeb Lane, New Delhi.	Jr. Scientific Assistant.	R-SG
6446	Kapur, Pyara Lal. (Col.)	1906	B.Sc. Hons. (Punjab —'26) M.Sc. (Punjab—'28) Ph.D. Appl. Chem (Punjab—'38)	Worked for 11 years in teaching general & organic chemistry to university students and in conducting research on oils, chemicals, paints, textiles, etc. At present engaged in research, design, development & testing work connected with general stores including timber stores, cooking equipment, tools, packing materials, surgical instruments, etc. Published several papers on magneto-chemistry, colloid chemistry & general chemistry and taken patents on waterproof emery cloth, improvement in incandescent lamps, stores & cookers.	Pres.— Technical Development Establishment (Stores), P.O. Box No. 127, Kanpur. Perm.— Do.	Chief Supdt. of Development	STA-(t). R-G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. S.T.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6447	Kapur, Shankar Nath.	1895	B.Sc. Hons. (Punjab —'17) D.Phil. (Goettingen, Germany—'23) F.N.I. (India) A.M.I Chem.E	Timber seasoning & utilization and plywood manufacture, published several papers on the same.	Pres.—Kapur's Industrial & Research Laboratory, 14/1A, Nirode Behari Mullick Road, Calcutta 6. Perm.— Do.	Director.	STO-P.
6448	Kapur, Shyam Lal.	1907	B.Sc. (Agra—'31) A.H.B.T.I. Oil tech. (Kaupur—'35)	Worked for 15 years in oil and allied industries, contributed books and articles on industrial topics.	Pres.—Sahitya Niketan, Kanpur.	...	Un.
6449	Karandikar, Anant Narayan.	1922	B.Sc. Hons. (Bombay —'44)	For 7 years worked on petroleum products.	Pres.—5, Latif House, 21 D, Vincent Road, Dadar, Bombay. Perm.— Do.	...	Un.
6450	Kardile, Prabhakar Anant	1928	B.Sc. Hons. (Poona —'50) B.Sc. Textile tech. (Bombay—'52)	...	Pres.—C/o L.V. Sathe, 14th Road, Khar, Bombay 21 Perm.—C/o A.B. Kardile, Kale Wada, Gore Ram Lane, Nasik.	...	Un.
6451	Karkhanavala, Minocher Dadabhai.	1926	B.Sc. Hons. (Bombay —'47) B.A. Hons. (Bombay —'48) M.Sc. spl. Silicate Chem. (Bombay—'49) M.S. Glass tech. (Alfred—'50) Ph.D. Ceramics. (Pennsylvania—'52)	Engaged in research work on X-rays and electron microscopy & diffraction of inorganic compounds; published papers on glass technology, crystal chemistry, physical chemistry of silicates especially phase-equilibrium studies	Pres.— Atomic Energy Commission, Govt. of India, Bombay. Perm.— 239, Botawala Building, Tardeo Road, Bombay 7.	Jr. Scientific Officer.	R-Q.
6452	Karode, Vasant Narayan.	1929	B.Sc. (Bombay—'50) Dip. in Textile Chem. (Baroda—'52)	...	Pres.—C/o Sri S.N. Karode, Esha Kripa Bldg., Bhandarkar Road, Kings Circle, Matunga, Bombay 19. Perm.— Do.	..	Un.
6453	Kataria, Anadilal Nawalmal	1927	B.Sc. Hons. (Bombay —'49) B.Sc. Tech. spl. Paints & Varnishes. (Bombay—'51)	...	Pres.—C/o Mr. Nawalmal Daulatram, Agra Road, Ubulia, W. Khandesh. Perm.— Do	...	Un.
6454	Katre, Vasant Rao.	1921	B.Sc. Ind. Chem. (Banaras—'43)	8 years experience of control & analytical work in a cement works laboratory.	Pres.—Chaiabasa Cement Works, P.O. Jhinkpani, Distt. Singhbhum. Perm.— C/o S.R. Katre, 10, Bagmati Road, Jamshedpur.	Asstt. Chemist	STO-I.
6455	Kavathekar, Jayant Waman.	1925	M.Sc. Tech. (Banaras —'48)	...	Pres.—High Explosives Factory, Kirkee, Poona. Perm.— 105, Shaniwar Peth, Poona 2.	Incharge.	R-I.
6456	Kelkar, Dhundiraj Damodar.		B.Sc. (Agra—'48) B.Sc. (Banaras—'45) M.Sc. Tech. spl. Oils & Fats (Banaras—'47)	...	Pres.—C/o P.R. Shidhore, Kaprikar's Wada, Gograwas Wadi Road, Dom-bivili, Distt. Thana.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6457	Kelkar, Narayan Chintaman.	1903	B.Sc. (Bombay—'29) M.Sc. Org. Chem. (Bombay—'32) A.I.I.Sc. (Bangalore —'32) Cert. in Chem. Control. (Kanpur)	Sugar manufacture and other subsidiary industries such as starch, glucose & active carbon; published papers in sugar technology.	Pres.— 877, Shivaji Nagar, Poona 4. Perm.— Do.	Chief Chemist.	STO-I.
6458	Kerhalkar, V.L.	1927	B.Sc. (Agra—'47) B.Sc. Tech. (Nagpur —'49)	...	Pres.— Laxmi Narayan Institute of Technology, Nagpur. Perm.— Padav, Khandwa.	Jr Analytical Chemist.	STO-SG.
6459	Khanna, Agam Swaroop.	1925	B.Sc. (Agra—'46) A.H.B.T.I. (Kanpur)	Since 1948 working in the manufacture of varnishes, paints, colours, soaps, etc.	Pres.— Shalimar Paint Works, P.O. Botanical Garden, Howrah. Perm.— C/o Shree Ganga Saran Khanna, Kuwar Balgovind Street, Bijuar.	Asstt. Varnish Manufacturing Incharge.	STO-I.
6460	Khanna, Jai Narain.	...	B.Sc. (Delhi—'49) A.H.B.T.I. Oil tech. (Kanpur—'44)	Since 1944 working in the oil mill.	Pres.— M/s Basant Lal Hirshlal Oil Mills, Hathras.	Chief Chemist & General Manager.	STO-I.
6461	Khanna, N.R.	1910	B.Sc. (Punjab—'30) M.Sc. Zoology. (Lucknow—'32) A.H.B.T.I. Sugar tech. (Kanpur—'34) F.H.B.T.I. (Kanpur —'38)	Engaged in general administration, direction & supervision of sugar manufacture and its allied products.	Pres.— C/o Raza Sugar Co. Ltd., Rampur. Perm.— Do.	Chief Chemist.	STO-I.
6462	Khanna, R.C.	1915	B.Sc. Tech. (Banaras —'35) Dip. in Chemical Control. (I.I.S.T., Kanpur—'39)	5 years work in sugar manufacture.	Pres.— Ajudhia Sugar Mills, Rajakasahaspur, Moradabad. Perm.— Do.	Chief Chemist.	STO-I.
6463	Khanolkar, Jayawant Waman.	1924	B.Sc. (Bombay—'50) A.I.I.S.T. (Kanpur —'52)	...	Pres.— C/o K. Bhaskar Rao, 76, Vijaynagar, Dadar, Bombay 28. Perm.— 41 Sykes Extension, P.O. Kolhapur-Shahupuri, Kolhapur.	...	Un.
6464	Khare, Shri Nath.	1919	B.Sc. (Allahabad —'34)	Testing of textiles and rubber stores.	Pres.— T.D.E. (Textiles), Kanpur. Perm.— Vill. Pura Kanooongo, P.O. Gopigang, Distt. Banaras.	Sr. Scientific Assistant.	STO-G.
6465	Khedkar, Shridhar Krishna.	1904	B.Sc. (Bombay—'28) A.H.B.T.I. Oil tech. (Kanpur—'31)	Manufacturing of vegetable ghee.	Pres.— 232-B, Sadashiv Peth, Limaye Wada, Poona 2. Perm.— C/o Krishnaji Laxman Khedkar, Khed, Distt. Poona.	Manufacturing Chemist.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6466	Khera, Mahendra Parkash.	1921	B.Sc Hons (Punjab —'41) M.Sc Tech. (Punjab —'42) Ph.D Textile Chem. (Leeds—'50)	Worked for 4 years in manufacture of heavy chemicals and 5½ years research work in textiles, rayous & cellulose. At present engaged in testing and research work on textiles for the defence services	Pres.—T.D.E. (T & C.), Post Box 294, Kanpur.	Asstt. Supdt. of Development.	R-G.
6467	Khurana, Manohar Lal	1914	B.Sc. Hons. (Punjab —'35) M.Sc. Tech. (Punjab —'36)	(i) Manufacture of sugar & soap and (ii) stores preservation technique.	Pres.—Central Ordnance Dept., Kanpur Perm.—C/o Sri Hari Ram, House No 65 A & B, Block No 80, Malviya Nagar, Delhi.	Ordnance Officer.	STO-G.
6468	Kiri, Shantilal Girdher.	1909	B.Sc. (Bombay—'30) M.Sc. (Bombay—'34)	Manufacture & quality control of portland cement.	Pres.—Lakheri Cement Works, P.O. Lakheri, Rajasthan. Perm.—Hayeli Street, Limbdi, Saurashtra.	Chief Chemist.	STO-I.
6469	Koppikar, Manjunath Mangesh.	1893	B.A. Hons. (Bombay —'14) B.Sc. (Bombay—'14) M.A. Chem. (Bombay —'16)	Knowledge of the processes of manufacture of acids, heavy chemicals, cement, cotton dyeing and canning.	Pres.—V.J. Technical Institute, Matunga, Bombay 19. Perm.—Laxmi Nilaya, Plot 58, Bhau Daji Road, Matunga, Bombay 19.	Deputy Head, Appl. Chem. Dept.	T-SG.
6470	Kotnis, Mangesh Shantaram.	1907	B.Sc. (Bombay—'30) M.Sc. Org. Chem (Bombay—'35)	Manufacture of liquor ammonia. Published papers on studies on optical rotation and Indian essential oils	Pres.—By-Product Ammonia Co, Lalbaug, Bombay. Perm.—F/8, Model House, Proctor Road, Bombay 4	Chief Chemist & Works Manager	STO-I.
6471	Krishnamurthy, Mysore Nanjappa.	1918	B.Sc. (Calcutta)	Manufacture and analysis of pharmaceuticals and fine chemicals	Pres.—Research Dept., The Audhra Pharm. Works Ltd., P.O. Bezwada. Perm.—1094, Devaparthiva Agrahar, Chamarajapuram, Mysore.	Analytical Chemist.	STO-I
6472	Krishnamurti, Subramonia	1901	M.Sc. Phy. Chem (London—'25)	20 years experience in manufacture of heavy chemicals especially sulphuric acid & super-phosphates.	Pres.—Chemicals Dept., M/s Parry & Co., Madras. Perm.—Do.	Manager.	STA-I.
6473	Krishnan, Sankarier.	1925	B.Sc. (Madras—'45) Dip in Soap & Oil tech. (Calcutta—'47)	6 years work on manufacture of soap & allied products.	Pres.—B.C.P.W. Ltd., P.O. Panthali, Distt. 24 Parganas. Perm.—29/33, Gariahat Road, Calcutta 19	Chemist-in-Charge.	STO-I.
6474	Kudva, Trivikram K.	1919	B.Sc Physics. (Madras —'40) B.Sc Chemistry. (Madras—'47)	For 3 years worked on the distillation of essential oils and 3 years on textile dyeing & printing. Published a paper on cinnamon leaf oil	Pres.—16, Freny House, Sitaladevi Temple Road, Mahim, Bombay. Perm.—Kallimar House, P.O. Puttur, District South Kanara.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6475	Kudwalli, Rama-swamy Nataraj.	1918	B.Sc. (Bombay—'41)	About 8 years work in the manufacturing, reconditioning and testing of non-ferrous alloys.	Pres.— Fuel Research Inst., P O Jealgora, Distt. Dhanbad. Perm.—C/o M.S. Rama-swamy, 2, Lakshmi Niwas, Dr. Pusandhare Buildings, Plot 169-D, Vincent Road, Bombay.	Jr. Scientific Assistant	STO-SG.
6476	Kulkarni, Bapu	1908	M.Sc. Phy. Chem. (Nagpur—'32) Ph.D. Appl. Chem. (Bombay—'39) Cert. Chem. Engg. (I.I.Sc., Bangalore —'36) M.I.I. Chem. E.	Doing teaching & research in chemical technology and published several papers on the same.	Pres.— Department of Chemical Technology, Osmania University, Hyderabad. Perm.— Do	Reader & Head TR-SG. of the Dept	
6477	Kumar, Vishv Pawan.	1926	B.Sc. Ind. Chem. (Banaras—'46) A.H.B.T.I. (Kanpur —'48)	Worked for 4½ years in oil industries, published papers on refining and hydrogenation of oils.	Pres.—C/o V.K. Bhattacharjee, 111/22, Brahma Nagar, Kanpur. Perm.—B.21/201, Kancha, Banaras.		Un.
6478	Kuruvilla, E.P.	1924	M.Sc. Tech (Banaras —'52)	For about 2 years worked in the manufacturing of sugar.	Pres.— C/o Dr. P.N. Thomas, No. 1-A, Gandhi Irwin Road, Egmore, Madras. Perm.—Elangickal House, Niravam, Trivella, Travancore-Cochin	...	Un.
6479	Kushwaha, Vinod Singh.	1913	B.Sc. (Agra—'36) A.H.B.T.I. Sugar tech. (Kanpur—'38) F.I.I.S.T. (Kanpur)	Engaged in manufacture of sugar.	Pres.— Ishwari Khetan Sugar Mills Ltd., Ladohganj, District Deoria Perm.—C/o 'Vinod Farm', P.O. Nahil, District Shahjehanpur.	Chief Chemist.	STO-I
6480	Lahiri, Amiya	1904	M.Sc. Appl. Chem. (Calcutta—'28)	19 years work in manufacture of fine chemicals & pharmaceuticals.	Pres.— Fine Chemical Section, M/s B.C.P.W. Ltd., Calcutta. Perm.—164, Manicktala Main Road, Calcutta 11.	Head of the Dept.	STO-I.
6481	Lakhmane, Man Singh.	1927	B.Sc. (Punjab—'46) B.Sc. Tech. (Nagpur —'49)	...	Pres.— C/o S. Balbir Singh, P.O. Baghunathpur, Distt. Maubhumi. Perm.—Bedi Bungalow, P.O. Nituria, District Maubhumi.	...	Un.
6482	Lakshmanan, Karatholuwu Narayana Sastry.	1908	B.A. Physics. (Madras—'28)	Analysis & chemical control in cement manufacture.	Pres.— Mudukkarai Cement Works, Madukkarai. Perm.— 4/4, Race Course Road, Coimbatore.	Asstt. Chemist.	STO-I.
6483	Lakshmanan, Pottalpuram Ganapathi.	1906	B.Sc. Agri. A.H.B.T.I. Sugar tech. (Kanpur)	20 years work in different capacities concerning sugarcane cultivation and sugar production.	Pres.— The Madura Sugars & Allied Products Ltd., Pandiarajapuram, Distt. Madurai. Perm.—Pottalpuram, P.O. Mullakadu, Tuticorin.	Factory Manager.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY--Contd.

S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6484	Lakshminarayana, Ban-galore	1910	B.Sc. (Mysore—'35) B.Sc. Tech. (Manches- ter) A.M.C.T. Textile Chem. (Manchester)	...	Pres.—S.K.S.J.T. Insti- tute, Bangalore.	Prof. & Head of the Dept of Textile Chemistry.	T-NG.
6485	Lal, Balmukund	1930	B.Sc. Ind. Chem (Banaras—'49) M.Sc. Tech. (Banaras —'51)	Engaged in chemical analysis.	Pres—Ordnance Factory, Kalpi Road, Kanpur. Perm—Vill. Dedhawal, P.O. Sakaldihia, Distt. Banaras.	Supervisor 'B' Grade	STO-I.
6486	Lal, Shivnandan	1913	B.Sc. (Lucknow—'33) A.H.B.T.I. (Kanpur —'35) B.S. Sugar tech. (Hawaii—'39)	Sugar manufacture and the technical control of production of sugar.	Pres—Begg Sutherland & Co., P.O. Marhowrah, Distt. Seran Perm—21A, Ashok Marg, Lucknow.	Advisory Che- mist	STA-I.
6487	Lanjewar, Arvind Purushottam	1925	B.Sc. (Bombay—'47) B.Sc. Tech. spl. Oils. (Nagpur—'50)	Manufacture of paints, varnishes, soaps and hydrogenated oils.	Pres.—Metro Paint Works, Bombay. Perm—O/o D.T. Lanje- war, Shree Annapurna Rice Mill, Tumsar, Distt Bhandara.	Chemist.	STO-I.
6488	Iele, Madhav Bhal- chandra,	1923	B.Sc. (Bombay—'44) B.Sc. Tech. spl. Oils, Fats & Soaps (Bom- bay—'47) M.S. Chem. (Wiscon- sin—'50)	Refining & hydroge- nation of oils and canning industry (fish & fruits)	Pres—C/o T.D. Waknis, 9/6, Colaba Mills Flats, Colaba, Bombay 5. Perm—'Smriti Kunj', Khanderao Road, Baroda.	...	Un.
6489	Lodh, Akhil Chandra.	1896	Higher Proficiency (National Council of Education, Bengal —'17)	32 years experience in manufacture of cement & refractories	Pres.—Katni Cement Works, Katni Perm.— Do	Manager.	STO-I.
6490	Lonkar, Vishnu. Keshav	1904	B.Sc. (Bombay—'27) M.Sc. Org. Chem. (Bombay—'31)	Since 1933 engaged in the manufacture of sugar, sugar candy, confectionary and sy- rups Also manufacture of cane wax and card- board & paper.	Pres.—The Ravalgaon Sugar Farm Ltd., P.O. Ravalgaon, Distt. Nasik. Perm— C/o Dr. Y.V. Lonkar, L.C.P.S., 24, Deccan Gymkhana, Poona 4.	Deputy Chief Chemist.	STO-I.
6491	Lulla, Visbin Hir-a-nand.	1921	B.Sc. (Bombay—'42) B.Sc. Tech. spl Cer- amics. (Banaras—'48)	Engaged in the inspec- tion of supplies of laboratory glass ware & porcelain ware for the defence	Pres.—T.D.E. Laboratory, Kanpur Perm.—C/o The Kashmir Fruits Mart, The Mall, Kanpur	Jr. Scientific Assistant.	STO-G.
6492	Luthra, K.N.	1921	B.Sc. (Punjab) A.H.B.T.I. Oil Chem. & Tech (Kanpur)	10 years work in oil milling & refining, manufacture of boiled oils, varnishes, enamels & paints.	Pres—Roshanara Paints & Varnish Works, Subzi- mandi, Delhi. Perm.— 110A, Kamla- nagar, Subzimandi, Delhi 6.	Chief Chemist & Factory Manager.	STO-I.
6493	Madan Murari.	1930	B.Sc. (Patna—'48) M.Sc. Tech. Oils & Fats. (Patna—'51)	...	Pres.— Flat No. 18, 76, Marine Drive, Bom- bay. Perm.— Do.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6494	Madhira, Venkata Krishnayya.	1939	B.Sc. Hons. Chem. Tech. (Andhra—'50)	...	Pres.—Gas Plant, Sindri Fertilizers & Chemicals Ltd., Sindri. Perm.—Tadepalli House, P O Chatrapur, Distt Ganjam, Orissa	Operator.	STO-I.
6495	Mahadevan, Narayanaswami Nurani.	1920	B.Sc. (Madras—'40)	For 6 years worked in Anglo-Iranian Oil Co. refineries.	Pres.—Plot No 28, 1st Floor, Third Road, Khar, Bombay 21. Perm.— Do.	...	Un.
6496	Mahajan, Madhukar Balkrishna.	1923	B.Sc. Hons. (Bombay—'48) M.Sc. spl. Cellulose Chem. (Bombay—'48)	...	Pres.— High Explosive Factory, Kirkee. Perm.—159, Kasba Peth, Poona City.	Supervisor.	STO-I.
6497	Mahajan, Parashtam Chaud.	1914	B.A. (Punjab—'32) M.Sc. (Punjab—'34) M.Sc. Tech. spl. Optics (London—'38)	Design, manufacture and survey of optical & precision instruments.	Pres.—National Instrument Factory, Ministry of Production, Govt. of India, Calcutta. Perm.— Brij Lal Orchards, Pathankot.	Works Manager.	STO-I.
6498	Maharaj Kishen.	1901	Bachelor of Textile Engg (Massachusetts, U.S.A - '30)	Experience in textile engineering and business administration. At present engaged in formulation of standards of interest to the textile industry	Pres.—Indian Standards Institution, 19, University Road, Civil Lines, Delhi 8 Perm.— 20, Hastings Road, Allahabad	Asstt Director (Textiles)	STA-SG
6499	Maheshwari, Laxmi Narain.	1924	B.Sc. (Agra—'44) A.H.B.T.I. Oil tech. (Kanpur—'47)	9 years work in oil milling, soap making, paints, vanaspati and linoleum.	Pres.— Banshidhar Chemist Radhaballabh Oil Mills, Shikohabad. Perm.— Vill. Pohina, P.O. Dairyfarm, Distt Aligarh.	Chemist	STO-I
6500	Mainkar, Vyankatesh Bhaurao.	1922	B.Sc. (Bombay—'49) M.Sc. (Bombay—'48) B.Sc. Tech. (Bombay—'48) M.Sc. Tech. spl. Plastics, Paints & Varnishes. (Bombay—'51) F.I.C.S.	Plastics, paints, varnishes and chemical technology.	Pres.—Indian Standards Institution, 19, University Road, Delhi 8. Perm — 1415, Kasba Peth, Poona 2.	Sr Technical Asstt (Plastic Research Committee)	Scientific editing
6501	Malkan, Varjivandas Sunderji.	1928	B.Sc. Hons. (Bombay—'50) B.Sc. Food tech. (Bombay—'53)	...	Pres.—E-12, Sicks Nagar, Vithalbhai Patel Road, Bombay 4 Perm.— Do	...	Un.
6502	Mall, Jang Babadur.	1907	B.Sc. (Banaras—'32)	Worked for 17 years as Sugar Chemist.	Pres — Vill. & P.O. Lakhnaur, Distt Azamgarh. Perm.— Do.	...	Un.
6503	Mandrekar, Jayawant Shantaram.	1930	B.Sc. Hons. (Bombay—'50) B.Sc. Tech. spl. Dye-stuffs. (Bombay—'53)	...	Pres.— 83 B, Banganga Road, Walkeshwar, Bombay 8. Perm.— Do.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6504	Mani, T.N.	1927	B.Sc. Textiles. (Mysore—'51)	...	Pres.— No. 2, Perumal Teppakulam East Road, Madurai. Perm.— 1292, Nagappas Block, Mallewaram, Bangalore 3.	...	Un.
6505	Menjrekar, Kamla Kar Shankar.	1915	B.Sc. (Banaras—'88) M.Sc. Tech. spl. Oils & Soaps. (Banaras—'40)	Engaged in inspection of vegetable oil factories and quality control of vegetable oil products.	Pres.— Office of the Vegetable Oil Products Controller for India, Jamnagar House, New Delhi. Perm.— Do.	Inspector.	STO-G.
6506	Mausha Ram.	1924	B.Sc. (Agra—'49) A.H.B.T.I. (Kanpur—'46)	Manufacturing vegetable oils, soaps, refined & boiled oils, paints & varnishes	Pres.— M/s. Northern India Oil Industries Ltd., Kanpur Perm.— C/o B. Ram Sarup, Manohari Kuti, P.O. Khatauli, Distt Muzaffarnagar.	Chief Chemist	STO-I.
6507	Manyane, A.S.	1930	Dip. in Textile tech. (Bangalore—'48) B.Sc. Textiles. (Mysore—'49)	Textile designs and textile manufacture.	Pres.— Designs Technological Inst., Baugalore. Perm.— Shaumuga Vilas, 24, Bull Temple Road, Basavanagudi, Bangalore 4.	Lecturer in Textile Designs.	T-NG.
6508	Mathew, E.C.	1922	B.Sc. (Madras—'49) B.Sc. Leather tech. (Madras—'47)	5 years work of teaching leather technology.	Pres.— A.C. College of Technology, Guindy, P.O. Saidapet, Madras. Perm.— Do.	Lecturer in Leather Technology.	T-NG.
6509	Mathur, Brahma Swarup.	1927	B.Sc. (Agra—'46) A.H.B.T.I. (Kanpur)	Testing and reporting on rubber samples received for defence requirements.	Pres.— T.D.E. (T. & C.), P. Box No. 294, Kanpur. Perm.— C/o Baglae Gardens, Bena Jhawar, Kanpur.	Tech Supervisor	STO-G.
6510	Mathur, Hari Har	1927	B.Sc. Ind. Chem. (Banaras—'46) M.Sc. Tech. spl. Oils, Fats & Soaps. (Banaras—'48)	From 1948-52 carried research work related to oils & fats and published papers on oils, resins, varnishes & enamels; patented process on the utilization of cashewnut shell liquid for surface coatings. Now engaged in technical information service.	Pres.— Survey & Information Division, National Chemical Laboratory, Poona 8. Perm.— Hari Harsh Bhawan, Mainpuri, U.P.	Sr. Scientific Assistant	Scientific editing & publication.
6511	Mathur, Lal Bahadur	1905	B.Sc. (Allahabad—'28) A.H.B.T.I. Oil tech (Kanpur '30) F.I.C.S.	21 years experience of oil refining & hydrogenation and soap making. Published papers on bleaching, synthetic flavours and oil colours.	Pres.— Amrit Banaspuri Co. Ltd., Ghaziabad. Perm.— 1261, Chailpuri Street, Kinari Bazaar, Delhi.	Chief Chemist & Works Manager.	STO-I.
6512	Mathur, Yogendra Bihari.	1924	B.Sc. (Agra—'44) A.H.B.T.I. Chem. & tech. of oils, fats & waxes. (Kanpur)	Conversant with manufacture and analysis of oils, soaps, paints, cosmetics & allied products.	Pres.— O/o Imperial Chemical Industries (India) Ltd., Kanpur. Perm.— 16/93, Civil Lines, Kanpur.	Technical Sales Representative.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6513	Mazumdar, Jatish Chandra.	1901	B.Sc. (Calcutta—'24) P.G. training in Leather Chem. & Tech. (H.B.T.I., Kanpur —'28)	Teaching and advising on tanning and leather goods (footwear and sports)	Pres.—Govt. Tanning Inst., Jullundur City. Perm.— 11, Christopher Road, Calcutta 14.	Principal.	T-G.
6514	Mazumdar, Mohan.	1907	B.Sc. Hons. (Calcutta) M.Sc. Phy. Chem. (Calcutta—'32) Dip. in Sugar tech. (1936) A.R.T.O. Sugar manufacture (Glasgow—'36) Tech. Cert. in Sugar manufacture (C. & G. London —'36) Cert. in Agri. & Agri. Chem. (Glasgow—'36)	20 years work in the technology & manufacture of sugar and plantation of sugarcane.	Pres.—C/o Ramnugger Cane & Sugar Co. Ltd, P.O. Plassey, District Nadia. Perm.—P 7, Bellaghata Main Road, Canal Bridge, P O. Bellaghata, Calcutta.	Asstt General Manager.	STO-I.
6515	Mehta, Dhanwaniram Karapurram.	1889	B.A. (Bombay—'09) B.Sc. (Bombay—'10) M.A. Chemistry. (Bombay—'12)	89 years experience in cement manufacture.	Pres.—Dwarka Cement Works, Dwarka. Perm.—'Deepak', Vallabh-bhai Patel Road, Santa Cruz, Bombay 23.	Manager.	STO-I.
6516	Mehta, Gurbax Lall.	1923	B.Sc. (Punjab—'42) Dip. in Fruit & Vegetable Preservation. (Punjab—'44)	Worked for 5 years in fruit preservation factories.	Pres.—C/o B K. Chopra, House No. 39A/145, Near Govt. House, Sadar, Nagpur. Perm.— C/o S. Natha Singh Mehta, Shop No. 501, Mehta Cycle Mart, Main Bazar, Subzi Mandi, Delhi.	...	Un.
6517	Mehta, Hrushikesh Bihari Lal.	1927	B.Sc. (Bombay—'47) B.Sc. Tech. (Bombay—'49) M.Sc. Dyestuffs. (Bombay—'53)	...	Pres.—R.L. Trust Hostel, 55, Girgaon Road, Bombay 4. Perm.— C/o Y.M. Balsari, 94, Mangalwadi, Girgaon, Bombay 4	...	Un.
6518	Mehta, Manoharlal Manchharan.	1920	B.Sc. Hons. (Bombay—'42) A.I.F. (London)	Engaged in research on solid fuels.	Pres.— National Fuel Research Inst., P.O. Jajigora, Bihar. Perm.— Bordosheri, Sayedpura, Surat.	Scientific Asstt	R-SG.
6519	Mehta, Narendra Nath.	1926	B.Sc. (Punjab—'49) M.Sc. Tech. (Punjab—'52)	...	Pres.—B-1, 47/48, Mal-kaganj Colony, Delhi 6. Perm.— Do.	...	Un.
6520	Mehta, Priyavadan Chhaganlal.	1920	B.Sc. (Bombay—'39) B.Sc. spl Textile Chem. (Bombay—'41) M.A. Chem. (Princeton—'47) Ph.D. Chem. (Princeton—'48)	Doing research in cellulose & textile chemistry and published papers on the same.	Pres.— ATIRA, Navrang-pura, Ahmedabad 9. Perm.— Bhavani Vad, Haripura, Surat	Research Asso. ciate & Head of Chem. Division.	R-I.
6521	Mehta, Raghu Nath	1925	B.Sc. (Punjab—'45) B.Sc. Hons. (Punjab—'48) M.Sc. Tech. (Punjab—'49)	Since 1949 doing teaching work.	Pres.— D.M. College, Moga. Perm.— C/o Dr. Amar Chand Mehta, 95, Khurba Mohalla, Dehra Dun.	Lecturer in Chem	T-NG.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6522	Mehta, Ram Krishan Singh.	1926	B.Sc. (1943)	Engaged in research work on ultimate analysis of fuels by bomb method.	Pres.— Fuel Research Inst., P.O. Jealgora, Manbhumi, Bihar. Perm.— C/o Bakshi Brahma Dass, P.O. Jogiudarpagar, Himachal Pradesh.	Sr. Scientific Assistant.	R-SG.
6523	Mehta, Ranjith Chhaganlal	1917	B.Sc. (Bombay—'41) L.T.C. Textile Chem. (Bombay—'49)	6 years work in dyeing, bleaching & sizing and 8 years in teaching.	Pres.— R.C. Tech Inst., Ahmedabad. Perm.— Gheekanta, Harihpura, Surat.	Lecturer.	T-
6524	Menon, Anapuzha Gangadhara.	1910	B.A. Chem. (Madras—'32) M.Sc. (Banaras—'35)	Quality control, production, refining, hydrogenation of oils, manufacture of soaps & glycerine, etc. Now doing investigational work on petroleum products (fuels).	Pres.— T.D.E. Labs., P.B. 320, Kanpur. Perm.— Sivaniket, Ernakulam, Distt. Cochin.	Sr. Scientific Officer.	R-G
6525	Menon, Chorinchath Sreedhara.	1915	B.Sc. (Madras)	18 years work in manufacture of soap, glycerine, cosmetics & perfume blending.	Pres.— Soap Section, D C M. Chemical Works, Delhi. Perm.— P.O. Cherppu, Trichur, Travancore-Cochin.	Sr. Officer.	STO-I.
6526	Menon, I. Chandukutty.	1931	B.Sc. (Madras—'50) B.Sc. Tech. Chem Engg. (Bombay—'52)	...	Pres.— C/o Shri K. Jayaram, Asstt. Controller of Imports, Office of the Chief Controller of Imports & Exports, Ballard Estate, Bombay 1. Perm.— Do.	...	Un.
6527	Menon, Narayanan Kutty M.	1912	B.Sc. (Madras—'35)	3 years in the manufacture of sugar and 12 years in process control & supervision of manufacture of acids, acetone, gun cotton, nitroglycerine, cordite, etc	Pres.— Cordite Factory, Aruvankadu, Nilgiris. Perm.— Melevudu, Erattakulam, Palghat, Malabar.	Asstt Foreman.	STO-I.
6528	Mbatre, Vinayak Harischandra.	1925	B.Sc. (Bombay—'46) B.Sc. Textiles spl. Spinning. (Bombay—'50)		Pres.— The Mysore Spinning & Manufacturing Co. Ltd, Bangalore 9. Perm.— 83 A, Mugbhat, Girgaum, Bombay.	Personal Asstt. to General Manager	STO-I.
6529	Miller, P. Frederick.	1932	B.A. Chem. (Andhra—'50) B.Sc. Leather tech. (Madras—'52)	Tanning of chrome leather.	Pres.— C/o Mr. A.A. Decunah, M/s. Cooper Allen & Co., Kanpur 6. Perm.— Ratna Vilas, Bhimavaram, S. India.	...	Un.
6530	Misra, Jai Narayan.	1926	B.Sc. (Agra—'45) D.T.M (Kanpur—'48)	Textile manufacture and cotton supply.	Pres.— 22/115, Filkhana, Kanpur. Perm.— Do.	Tech Supervisor	STO-I.
6531	Misra, Rama Charan.	1920	B.Sc. (Agra—'42) A.H.B.T.I. (Kanpur)	Manufacture, analysis and refining of milk products, oils, ghee, soap, etc.	Pres.— C/o S.P. Misra, 74/80, Dhankutti, Kanpur. Perm.— Do.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. St.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6592	Mitkari, Bhaorao Narayan.	1924	B.Sc. (Nagpur—'46) B.Sc. Tech. spl. Paints & Varnishes. (Nagpur—'49)	...	Pres.—C/o V.R. Pungapur, 108, Krishna Niwas, Top Floor, Hindu Colony, Dadar, Bombay 14 Perm.— Do.	...	Un.
6593	Mitra, Mrityunjay Kumar.	1916	B.Sc. Hons. (Calcutta—'38) Cert. in technology of oils, fats & waxes. (C. & G. London—'50) F.I.C.S.	Worked for 8 years in analytical work. Since 1949 engaged in fundamental research on jute textiles. Published several papers on the action of hydrogen peroxide on jute and chemical composition of jute & other fibres.	Pres.—Group Laboratory, Jardine Henderson Ltd., Calcutta. Perm.— Vill. & P.O. Bagnapara, District Burdwan.	Research Chemist.	R-L.
6594	Mitra, Munindra Mohan.	1908	B.Sc. (Dacca—'24) M.Sc. Phy. Chem. (Dacca—'26)	Analytical work and manufacturing of biochemical products.	Pres.—B.C.P.W. Factory, 164, Majiktole Main Road, Calcutta 11	Chemist.	STO-I
6595	Mitra, Salil Kumar.	1918	B.Sc. (Calcutta—'39)	Manufacturing and inspection of ammunition.	Pres.—Seshanna Bldg., Block No. 18, Followers Road, Kirkee, Poona 3. Perm.— Do	Asstt. Foreman.	STO-I.
6596	Mitra, Shailendra Kumar.	1917	B.Sc. (Banaras—'38)	(i) Microscopy of leather, fibres, hair, starches (ii) general testing of lubricating oils, greases, soaps and allied chemicals	Pres.—T.D.E. Laboratories, Kanpur. Perm.— 112/248, Arya-nagar, Kanpur.	Sr. Scientific Assistant.	STO-G
6597	Mitra, Sukumar.	1915	M.Sc. Org. Chem. (Calcutta—'38)	(i) Design, development & inspection of petroleum warfare agents and (ii) testing & inspection of plastics and rubber armament stores.	Pres.—Sessanna Bldg., Block No. 18, Followers Road, Kirkee, Poona 3. Perm.—27B, Bagh Bazar Street, Calcutta 3	Sr. Scientific Assistant.	STO-G
6598	Mittal, Chandra. Harish	1922	B.Sc. (Agra—'41) B.Sc. Ind. Chem. (Banaras—'43) M.Sc. Tech. (Banaras—'45) F.I.C.S.	Manufacture and testing of cement.	Pres.—Cement Works, P.O. Lakhari, Rajasthan. Perm.— C/o Dr. M.C. Mittal, Near Pustikar School, Jodhpur.	Asstt. Chemist	STO-I.
6599	Mittal, Sital Prasad.	1911	B.Sc. (Agra—'31) Dip. in Metallurgy. (B.I.E.T., London—'42)	15 years analytical work.	Pres.—Railway Laboratory, Mech. Dept., Bikaner. Perm.— Do.	Chemist.	STO-G.
6600	Mohan Rai.	1929	B.Sc. Ind. Chem. (Banaras—'50) M.Sc. Tech. (Banaras—'52)	...	Pres.—C/o The Manager, Grand Hotel, Lajpat Rai Road, Banaras. Perm.— Vill. & P.O. Sakaldiba, District Banaras.	...	Un
6641	Mohiyuddin, G. Sheikh.	1928	B.Sc. Textiles. (Mysore—'51)	...	Pres.—Tayoob Jamal & Co., Dada Manzil, 4th Floor, 67/69, Mohd. Ali Road, Bombay 3. Perm. — Do.	...	Un

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY--Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6542	Mojumder, Satyendra Nath.	1928	M.Sc. Appl. Chem. (Calcutta-'50)	Engaged in analytical work.	Pres.-Bengal Chemical & Pharmaceutical Works Ltd., P.O. Panighati, Distt. 24 Parganas. Perm.— 16, Shibtala Street, P.O. Uttarpara, Distt. Hooghly.	Laboratory Chemist.	STO-I.
6543	Mony, Thandava Subra.	1917	B.Sc. (Madras-'36) Cert. in Electro-deposition. (C. & G. London) Cert. in light metal casting (Madras)	3 years work in electro-plating and 5 years in heat treatment of metals.	Pres — Rolling Mills, Ordnance Factory, Ambarnath. Perm — East End, South Car Street, Nagercoil.	Chargeman.	STO-I.
6544	Mookerjee, Naresh Chandra.	1916	B.Sc. (Calcutta-'85) M.Sc. Appl. Chem. (Calcutta-'97)	Design, development & investigation work on paper, textile & other stores required in connection with production of ammunition. Published papers on (i) studies on Indian snake venoms and (ii) thorium from monazite sand.	Pres -Technical Development Establishment, Milly. Explosives, Kirkee. Perm.— 72/1, Birdwood Road, Range Hills, Poona 3.	Sr Scientific Assistant	STO-G.
6545	Mookerjee, Satyendra Krishna.	1928	B.Sc. Hons. (Calcutta-'49) M.Sc. Appl. Chem. sp). Silicates (Calcutta-'51)	Collection of literature and data connected with glass & refractories.	Pres — Glass & Refractories Research Committee, Calcutta. Perm.—C/o H.K. Mookerjee, Manager, P.O. Tarakeswar, District Hooghly.	Asstt. Secre-tary.	Scientific editing.
6546	Mookherjee, Sanat Kumar.	1929	B.Sc. (Calcutta-'45)	For 3 years worked on a scheme of washability of Indian coals. Now engaged in testing of fuels.	Pres.— Fuel Research Institute, Digwadih, Dhanbad.	Sr Scientific Assistant	STO-SG.
6547	Moorty, Pappu Sri Rama.	1927	B.Sc. (Andhra-'48) B.Sc. Hons. Chem. Tech. (Andhra-'51)	Sugar manufacture.	Perm.—C/o P. Somasundarapur, Advocate, 5, South Muda Street, Madras 4.	...	Un.
6548	Motwani, Harish Basantram.	1929	B.Sc. Hons. (Banaras-'50) M.Sc. Tech. (Banaras-'59)	Engaged in analysis of sugar, starch, paper, etc	Pres.— New Customs House, Bombay 1. Perm.—Salamat Manzil, Chitnis Goth, Lashkar, Gwalior.	Chemical Asstt.	STO-G.
6549	Mudia, Jayantilal Motilal	1919	B.Sc. Hons. (Bombay-'37) A.I.I.S.T. Sugar tech. (Kanpur-'40)	For 4 seasons worked in different sugar mills.	Pres—Ramolia Building, Opp. Police Station, Maninagar, Ahmedabad. Perm.— Do.	...	Un
6550	Mukerji, Raj Kumar.	1910	B.Sc. (Lucknow-'34)	...	Pres — T.D.E. Labs., P.B. 820, Kanpur. Perm.— 11/243, Souterganj, Kanpur.	Sr Scientific Assistant.	STO-G.
6551	Mukherjee, Hari Pada.	1928	B.Sc. (Patna-'45) M.Sc. Oils & Fats. (Patna-'47)	Since 1948 doing teaching work.	Pres.—Bihar Veterinary College, Patna. Perm.— Do.	Asstt. Prof. of Physics & Chem.	T-G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6553	Mukherjee, Krishna.	1919	B.Sc. (Calcutta)	Inspection & testing of all sorts of filled ammunition (both gun & pyrotechnic) for the last 6 years	Pres.— 34/3, Engine House Road, Ordnance Estate, Kirkee Perm.— C/o Shri B.K. Mukherjee, Konarbagan Bangaon, Distt 24 Parganas.	Asstt. Foreman.	STO-G
6558	Mukhopadhyay, Samarendra Nath.	1930	B.Sc. (Calcutta—'49) Cert. in Tanning. (Calcutta—'50)	...	Pres.— Sadhana Ausadhalaya, P. Road, Gandhi Nagar, Kanpur. Perm.— 19, Jagannath Ghose Road, Calcutta 91.	...	Un.
6554	Mullan, Minocher Rustomji.	1892	B.A. (Bombay—'14) M.A. Chem. (Bombay —'16)	Extensive experience in the manufacture of different types of soaps, textile printing, milk & fruit products, sizing materials and confectionery.	Pres.— 12B, Dadyett Street, Chowpatty, Bombay. Perm.— Do.	Manufacturing Chemist.	STO-I.
6555	Mullick, Bhurneshwar Nath.	1920	M.Sc. Tech. (Punjab —'48)	Published papers on 'Manufacture of shoe polishes' and 'Micro-nutrient deficiency in citrus'.	Pres.— Block No. 8, House No 27, Patel Nagar South, New Delhi	Tech Asstt. to Chief Advisory Chemist	...
6556	Munim, Anil T.	1930	B.Sc Hons. (Bombay —'50) B.Sc. Tech spl. Tex- tile Chem (Bombay —'52)	...	Pres.— Shanti Sadan, 8th Road, Khar, Bom- bay 21. Perm.— Do.	.	Un
6557	Murdeshwar, Devidas Dattatraya.	1899	B.Sc. (Bombay)	22 years experience in manufacture of cement.	Pres.— Bhubendra Cement Works, P.O. Surajpur, PEPSU Perm — Nilekani, P.O. Sarsit, Distt North Kanara, Bombay.	Manager	STO-I
6558	Murthi, Kalaman- kalam Venkata Rao Srinivasa.	1928	B.Sc. B.Sc Leather tech.	Specialised knowledge of the manufacture of tanned sheep and goat skins.	Pres.—Development Wing, Ministry of Industry & Commerce, Shahjehan Road, New Delhi. Perm — C/o Shri K.P. Venkata Rao, No 71, Agharam Street, Erode, Madras State.	Dy Development Officer (Leather)	STA-G
6559	Murthy, B.P. Sathy- narayana.	1928	B.Sc. Textiles, (My- sore—'52)	Cotton spinning & weaving.	Pres.— S/o B. Pattabhiramaiah Setty, Dodao- pet, Koloor Perm — Do.	...	Un
6560	Murthy, Coorg Nara- simhienger Krishna.	1912	B.Sc. Hons. (Mysore —'33) B.Sc. Textile tech. (Leeds—'36) Ph.D. Textile Chem. (Leeds—'38)	Guiding research work on textile problems, published papers. Specialization in textile chemistry.	Pres.—Tech. Dev. Establish- ment, Textiles & Clothing, Kanpur Perm -11, Sir Krishnarao Road, P.O. Basavanna- gudi, Bangalore.	Supdt.	R-G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY--Contd.

S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6561	Murthy, Hirenmalur Puranik Srinivasa.	1918	B.Sc. (Mysore-'36) Dip. in glass technology. (Banaras-'39)	Worked for 5 years in manufacture of glass and 5 years in the manufacture of graphite crucibles, refractories & whiteware. At present conducting research in refractories, written reports on the same.	Pres.—National Metallurgical Laboratory, Jamshedpur 7. Perm.— C/o H.P.R. Iyengar, Naidoo Street, P.O. Chikmagalur, Mysore State.	Jr. Scientific Officer.	R-SG.
6562	Murthy, Narayana Jonnavittula.	...	M.Sc. Tech. spl. Pharmaceuticals. (Andhra-'45)	Carrying investigations on coal ash, surki & fuller's earth as porcelain materials.	Pres.— Engineering Research Labs., Red Hills, Hyderabad. Perm — Khojlapeta, Masulipatam	Research Chemist.	R-G.
6563	Murthy, Yedur Mahabala Jois Narasimha.	1926	B.Sc. Textiles. (Mysore-'49)	Weaving, spinning and carding.	Pres.— C/o Sri Krishnarajendra Mills Ltd., Bangalore. Perm -31, Sri Ramamandir Road, Bangalore 4.	Spinning Supervisor.	STO-I.
6564	Murti, P. Bhaskara	1911	B.Sc (Andhra-'34) B.Sc Tech. (Andhra-'36) M.Sc spl. Medicinal plants (Andhra-'38) D.Sc Fats & Resinols (Andhra-'42) F.A.Sc. (India) F.R.I.C. (London) F.C.S. (London) F.S.C.I. (London)	Organizing and teaching engineering & food technology to the students of diploma standard. Specialization in sugar technology and chemical technology of fats, resins, cellulose, rayons, etc. Published papers on cellulosic products, fats & resins and plant colouring matters.	Pres.—Kerala Polytechnic, Kozhikode, Calicut, Malabar. Perm.— C/o R. Venkata Rao, Maddurivari Street, Suryaraopetta, Kakinada, Distt. East Godavari.	Principal.	T-NG.
6565	Muthuswamy, Rangaswami	1916	B.A. (Madras-'38) B.Sc. Tech. (Manchester-'40)	12 years work in cotton textile manufacture.	Pres.—The Sri Venkatesa Mills Ltd., Udamalpet Taluk, Coimbatore. Perm.— Do.	General Manager.	STO-I.
6566	Nabar, Govind Maher.	1904	B.A. Hons. (Bombay) B.Sc. (Bombay) M.Sc. Pby. Chem. (Bombay) M.Sc. Textile Chem. (Manchester) Ph.D. Textile Chem. (Manchester) F.R.I.C. (London) F.A.Sc. (India) F.T.I (Manchester)	14 years work concerning textile chemistry including 9 years in the teaching line, published a number of papers mainly on the effect of certain vat dyes, studies in oxy-cellulose and patented a few dyeing processes.	Pres—Dept. of Chem. Tech., University of Bombay, Matunga, Bombay 19 Perm. — Do.	Prof. of Textile Chem.	TR-SG.
6567	Nadkarni, Prabhakar Shrivrao	1914	B.Sc. (Bombay-'36) B.Sc. spl. Textile Chem (Bombay-'38)	Guiding research and doing development work on textile chemical problems	Pres.— Directorate of Technical Development, Kanpur. Perm.— Gokarn, Distt North Kanara, Bombay State.	Sr. Scientific Officer.	R-G.
6568	Nadkarni, Sadauand Vishweshwar.	1922	M.Sc. (Bombay)	Specialised in welding metallurgy and manufacture of arc-welding electrodes.	Pres.— C/o J B Advani, Oerlikon Electrodes Ltd., Advani Chambers Sir P.M. Road, Bombay 1. Perm.— Do.	Chief Chemist.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6569	Nedkarny, Ganesh Venkatrao.	1931	B.Sc. (Bombay—'51) B.Sc. Tech. spl. Oils, Fats & Soaps (Bombay—'53)	...	Pres.— 17, Shri Ram Nivas, Frere Bridge, Low Level South, Grant Road, Bombay Perm.—P.O. Bankikodla, Distt. N. Kanara.	...	Un.
6570	Nagar, Kanchan Lal.	1921	B.Sc. (Agra—'41) A.H.B.T.I. Oil tech. (Kanpur—'43)	8 years work on the manufacture of oils & allied products like soaps, paints & varnishes and hydrogenated oils.	Pres.— Girdhari Lall & Co., 4, Clive Row, Calcutta 1 Perm.—Balika Basti, P.O. Raja Mandi, Agra.	Secretary.	STO-I.
6571	Nagarkar, Wasudeo Vinayak.	1912	M.Sc. (Bombay—'41)	18 years in inspection of explosives and in analysis of paints, textiles & general chemicals	Pres.— T.D.E., M.E., Kirkee, Poona 3 Perm.—462, Elphinstone Road, Kirkee, Poona.	Jr. Scientific Assistant.	STO-II
6572	Nagpali, Jai Chand.	1919	B.Sc. Hons. (Punjab—'39) M.Sc. Tech. (Punjab—'40)	For 6 years worked in industrial undertakings Since 1948 doing archaeological chemistry work.	Pres.— Central Asian Antiquities Museum, Queensway, New Delhi. Perm.— Do	Chemical Asstt	STO-II
6573	Nagpaul, Anand Narain.	1922	B.Sc. (Punjab—'42) M.Sc. Tech. (Banaras—'46)	Examination of applications for patents under the Indian patents & design act.	Pres.— Patent Office, 214, Lower Circular Road, Calcutta 17. Perm.— Do.	Examiner of Patents	STO-II
6574	Naik, Harischandra Dattatraya	1928	B.Sc. (Madras—'48) B.Sc. Tech. of Intermediates & dyes. (Bombay—'50)	...	Pres.— 299, Bazar Road, Bandra, Bombay 20. Perm.— Do	...	Un.
6575	Naimpally, Ram-mohan Bhavani Shanker.	1915	B.Sc. (Bombay—'37) M.Sc. spl. Colloids. (Bombay—'41) A.R.I.C. (London)	Chemical analysis of textiles, published a paper on colloids.	Pres.—Textile Chemical Section, I.G.S. Labs., Bombay. Perm.— C/o Gangoolly Sanjiva Rao, Advocate, Coondapoor	Sr. Scientific Assistant	STO-II
6576	Nair, A.P. Madhavan	1906	B.A. Hons. (Madras—'29) M.A. Chemistry (Madras—'32)	22 years experience of teaching physical chemistry and chemical technology	Pres.— A.C. College of Technology, Guindy, Madras 15 Perm.— Do.	Reader in Chem. Technology	T-
6577	Nair, K.G. Ravindra-nathan.	1927	B.Sc. Ceramic tech. (Banaras—'43)	Manufacturing of refractories and porcelain.	Pres.— Travancore Potteries Ltd., Ithikkara, Chathannoor, Quilon. Perm.— Thuruthur House, Near Pathauthode, Vaikom	Tech. Asstt.	STO-I.
6578	Nair, Olancheri Kizhakkepat Balakrishnan.	1926	B.Sc. (Madras—'45) D.G.T. (Baroda—'47)	Dyeing, bleaching, printing and finishing of textiles.	Pres.— A.C. College of Technology, Madras 25 Perm.— C/o K.P.N. Menon, Pushpavananam, Kozhikode 4, Malabar.	Lecturer in T-Textile Chem.	T-
6579	Namboodiripad, C. Parameswaran.	1919	B.Sc. (Madras—'43) Dip. Pharm. Sc (1947)	...	Pres.— M.G. College, Trivandrum Perm.— Arakkal Bhavnam, Thalayolapuram-pu, Vaikom.	Lecturer in T-N.G. Chemistry.	T-N.G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6580	Nandi, Sunil Kumar.	1907	M.Sc. (Dacca—'29) A.R.T.C. (Glasgow —'34) F.I.C.S. M.I.I.Cb.E.	For 8 years worked in industrial undertakings and for the last 9 years doing teaching work.	Pres.— Indian Inst. of Technology, Kharagpur. Perm.—8, Lower Range, Calcutta 17.	Asstt. Prof. of Chem. Engg.	T-G.
6581	Nandy, Atindra Nath.	1916	B.Sc. (Calcutta—'38) M.Sc. Appl. Chem. (Dacca—'38)	9 years in the general analytical work and 3 years in quality control and development problems of various types of fuels and lubricants.	Pres.— I.G.S. Labs., Ahmedabad House, Ballard Estate, Bombay 1. Perm.— C/o Supdt. of Development, T.D.E. Labs, P. Box No. 920, Kanpur.	Jr. Scientific Officer.	STO-G.
6582	Nanjundayya, O.	1904	B.Sc. (Mysore—'24) M.Sc. (Calcutta—'27) Ph.D. Textile tech. (Manchester—'49) F.T.I. (Manchester —'50)	25 years research work on cotton & textile technology and in textile physics—spinning and preparatory processes. Published several papers in textile physics and technology. Member of various textile associations and boards of studies in textile technology.	Pres.— Technological Laboratory, Matunga, Bombay 19. Perm.— Do.	Director.	R-SG.
6583	Naqvi Hasan, Sayyid.	1930	B.Sc. (Aligarh—'50) A.H.B.T.I. (Kanpur —'62)	Manufacture of soap, cosmetics and vanaspati.	Pres.—C/o S. Hadi Hassan, Record Officer, Ajmer. Perm.— Hasan Manzil, Dariba, Jaunpur, U.P	...	Un.
6584	Narasimhan, Malur Doraiswamy.	1925	B.Sc. (Madras—'46) B.Sc. Ceramic tech. (Banaras—'49)	...	Pres.—Central Labs. for Scientific & Industrial Research, Hyderabad. Perm.— 6, Prithvi Avenue, St. Mary's Road, Madras 18.	Research Scho- lar.	R-S.
6585	Narasimhan, Man- gadu.	1914	B.A. Hons. (Madras —'36) M.A. Maths. (Madras —'49)	Manufacture & concen- tration of acids.	Pres.— Cordite Factory, Aruvankadu, Nilgiris. Perm.—9, Motilal Street, T. Nagar, Madras 17.	Asstt. Foreman.	STO-I.
6586	Narayana, Gollamudi Lakshmi.	1930	B.Sc. (Andhra—'49) B.Sc. Tech. sp. Oils, Fats & Waxes. (Bombay—'52)	...	Pres.—Dept. of Chemical Technology, Bombay 19. Perm.—C/o G.V. Kesava Rao, 4th Line, Arundel- pet, Guntur.	Research Stu- dent.	R-S.
6587	Narendra Kumar.	1935	B.Sc. (Punjab—'43) B.Sc. Hons. (Punjab —'48) M.Sc. Tech. (Punjab —'49)	...	Pres.— Govt. College, Rohtak. Perm.— S/o Dr. Bhupal Singh, Registrar, Pun- jab University, Chandigarh.	Lecturer in Chemistry.	T-G.
6588	Narotam Lal.	1922	B.Sc. Hons. (Punjab —'43) M.Sc. Chem. Tech. (Punjab—'44)	Manufacture of vegetable ghee and rubber goods.	Pres.— Military Intelli- gence Directorate, G.S. Branch, Army H.Q., New Delhi. Perm.— 2787, Multani Dhanda, Pahar Ganj, New Delhi.	Tech. Asstt.	STO-G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6589	Narula, Des Raj	1910	B.Sc. Hons. Tech. Chem. (Punjab-'32)	Since 1934 doing sugar manufacture work.	Pres.— Seksaria Biswan Sugar Factory Ltd., Biswan, Distt Sitapur.	Chief Chemist	STO-I.
6590	Narula, Om Parkash.	1923	B.Sc. (Punjab-'43) Dip. in oil tech. (C. & G. London-'46)	From 1943-52 worked in different vegetable oil factories. At present engaged in consultation work connected with chemical control, design and fabrication of oil, vanaspati, soap and allied plants.	Pres.— Narula Lodge, Modi Nagar, U.P. Perm.— C/o Dr. H.R. Dawar, Delhi Gate, Delhi.	Consulting Chemist & Chemical Engineer.	STO-P.
6591	Natarajan, K.S.	1923	B.Sc Ind. Chem. (Banaras-'43) M.Sc Tech (Banaras —'45)	About 6 years work in analytical chemistry.	Pres.— Laxmi Narayan Inst. of Technology, Nagpur Perm.— Mytila, 4, Raja Street, Thyagaraya Nagar, Madras.	Analytical Chemist.	STO-SG.
6592	Natarajan, M.V.	1920	Dip in textile tech. (Bangalore-'43) B.Sc. Textiles (Mysore—'50)	8½ years teaching work in weaving & designing	Pres.— Jubilee Technological Institute, Bangalore. Perm.— Do.	Lecturer in Textiles	T-
6593	Navin, Natveral Banker.	1925	B.Sc Hons. (Bombay —'48) B.Sc. Tech. Food & Drugs (Bombay-'51)	...	Pres.— 12, Ashok Nagar, P.O. Anand Nagar, Ahmedabad 7 Perm.— Do.	Medical Repre- sentative.	STO-I.
6594	Nayak, S. Venkatesh.	1930	B.Sc. (Madras—'50) B.Sc Tech. spl. Chem Eugg. (Madras-'52)	...	Pres.—C/o Shri K K Pat, Laxmi Niwas, Bhau Daji Road, Matunga, Bombay 19 Perm.— Do	...	Un.
6595	Nayak, U. Mukunda.	1930	M.Sc Tech. (Banaras —'52)	...	Pres.— C/o Dr. S S Rao, Shri Lakhami Nivas, Bhau Daji Road, Kings Circle, Bombay 19. Perm.— Do	...	Un.
6596	Nayar, P.G. Sukumaran.	1930	B.Sc. (Travancore —'49) B.Sc Leather tech (Madras—'51)	...	Pres.— 'Parambil', Van- chiyoor, Trivandrum Perm.— Do.	...	Un.
6597	Nayer, Amar Nath.	1915	B.Sc. Hons. (Punjab —'36) M.Sc. Tech. (Punjab —'37) Ph.D. Wood tech.	Research & development in the field of timber, timber stores and timber products including ply- wood; published papers relating to the same.	Pres — Technical Deve- lopment Establishment (Stores), P. Box No 127, Kanpur. Perm.— 1001, Shivaji Street, Karol Bagh, New Delhi.	Asstt. Supdt. of Development.	R-G
6598	Nayudu, Siddineni Phanindranath.	1914	B.Sc. (Nagpur—'37)	Inspection, treatment and preservation of stores.	Pres — Ist Floor, Sagar Tarang, 75, Nepean Sea Road, Malabar Hill, Bombay. Perm.— C/o Shri C J R. Nayudu, Director of Panohayats, Govt. of Madhya Pradesh, Nag- pur.	Equipment Preservation Officer (I.A.F.)	STO-(I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. S.T.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6699	Nigam, Prem Chandra	1929	B.Sc. (Agra—'47) A.H.B.T.I. Chem. tech. (Kanpur—'50)	...	Pres.— C/o Shri P.L. Nigam, 8/128, Sunder Sadan, Arya Nagar, Kanpur. Perm.— Do.	...	Un.
6700	Nigam, Narain, Vishnu	1926	B.Sc. (Agra—'44) A.H.B.T.I. (Kanpur —'48)	Doing analytical work and research work in applied chemistry Pub- lished papers on reh deposit, citric acid and aluminium sulphate from bauxite.	Pres.—Harcourt Butler Technological Inst., Kanpur. Perm.— 88/580, Prem Nagar, Opposite Sisa- mau, Kanpur.	Research Asstt.	R-G.
6701	Nijhawan, Kailash Chand.	1924	B.Sc Hons (Punjab —'45) M.Sc. Appl. Chem. (Punjab—'46)	Manufacture and testing of chemicals	Pres.— M/s Shambhu Nath & Sons Ltd., Amritsar Perm.— 44, Ranjipura, Amritsar.	Chemist.	STO-I.
6702	Nijhawan, Rajendra Kumar.	1916	B.Sc. (Punjab—'35) M.Sc. Ind. Chem. (Punjab—'37)	Testing of cement and raw materials.	Pres.—Bhupendra Cement Works, Surajpur, E.P. Rly. Perm.—97, Model Town, Amritsar.	Asstt. Chemist	STO-I.
6703	Niyogi, Chandra, Nimal	1920	B.Sc. Hons. (Calcutta —'40) M.Sc. Appl. Chem. (Calcutta—'42)	5 years research work connected with producer gas, published papers on fuel technological prob- lems.	Pres.— B.E. College, P.O. Botanic Gardens, Howrah. Perm.—17, Gopi Mohan Dutt Lane, Calcutta 8.	Lecturer in Fuel Chemistry.	T-G.
6704	Nodder, Charles R.	1894	M.A. Chem. (Cantab.)	Specialization in the technology of bast fibres particularly flax and jute. Contributed a number of papers on the technology of jute & jute and stereoche- mistry.	Pres.— Inst. of Jute Technology, 35, Bally- gunge Circular Road, Calcutta.	Principal.	TR-SG.
6705	Om Prakash.	1902	B.Sc. (Allahabad—'22) P.G. Dip. in Oil tech. (H.B.T.I., Kanpur —'26) A.R.I.C. (London)	Teaching & guiding research in oils and allied subjects to post- graduate students and advising to the U.P. Govt. in the develop- ment of oil & allied industries, published several papers on the above subjects.	Pres.—Harcourt Butler Technological Institute, Kanpur Perm.— Do.	Oil Expert to Govt. of U.P. & Head of Oil Section.	TR-G. STA-G.
6706	Padmanabhan, K.	1928	B.Sc. Chem. B.Sc. Leather tech.	...	Pres.—Inst. of Leather Technology, Madras 21 Perm—88, Achaxappan Street, Madras 1.	Jr. Research Chemist	R-SG.
6707	Padmanabhan, Sal- pradan.	1918	B.A. (Madras—'35) M.Sc. (Banaras—'38) A.R.I.C. (London) F.C.S. (London) F.S.C.I. (London)	(i) Production of gases and acids for heavy chemical industries and fertilizers (ii) gasifica- tion of low grade fuels especially wood.	Pres.— Gas Division, The Fertilizers & Che- micals, Travancore Ltd., Udyogmandal, P.O Alwaye, Travancore— Cochin.	Asstt. Supdt.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6608	Pai, N. Gopala.	...	B.A. (Madras—'29) M.A. Org. Chem. (Calcutta—'31)	14 years experience in production and sale of vegetable ghee. Published papers on studies in Raman Effect with special reference to its application to chemical problems and biochemical studies in blood & tissues of monkeys	Pres.—Mysore Vegetable Oil Products Ltd., Bangalore.	Asstt. Manager.	STO-I.
6609	Pai, Vishwanath Narayan.	1908	B.Sc. (Bombay—'30) M.Sc. (Bombay—'34)	Administrative & technical work in the cement factory.	Pres.—Khalari Cement Works, P.O. Khalari, Permu.— Do.	Manager.	STA-I.
6610	Palaniappan, N.P.	1921	B.A. Chem. (Madras—'41) M.Sc. Foods & Drugs (Andhra—'44) M.Sc. Tech. Textile chem. (Manchester—'47) A.M.O.T. (Manchester) A.T.I. (Manchester)	For 4 years worked as Chemist in the B & C Mills Ltd. Specialisation in food & drug analysis, chemical processing of textiles and rayon technology.	Pres.— Annamalai University, Annamalai Nagar. Perm.—28, Central Street, Tallakulam, Madurai, Madras.	Prof. & Head of the Dept. of Technology	TR-SG.
6611	Palekar, B.G.	1907	B.Sc. (Bombay—'27)	24 years experience in cement manufacture.	Pres.— A.C.C. Works, Madukarai Perm.— P.O. Chendia, Distt. N. Kanara.	Asstt Manager & Chief Chemist	STO-I.
6612	Paliwal, Ramesh Chandra.	1925	B.Sc. (Agra—'46) A.H.B.T.I. Oil tech. (Kaupur—'49)	Manufacture of oils, soaps, glycerine and cosmetics.	Pres.—R No 17, 7th Khetwadi Back Lane, P.O Building, Bombay 4	...	Un
6613	Panchapagesan, Venkata mair.	1896	B.A. (Madras—'19) L.T.M. (Bombay—'22)	Since 1922 working in the textile line, specialised in cotton and cotton spinning	Pres.— Sri Ramalinga Choodanibikai Mills Ltd., 60/10, Utkukuli Road, Tirupur. Perm.— Do.	Manager	STO-I
6614	Panda, Keshao Ramchandra.	1924	B.Sc. (Nagpur—'46) B.Sc. Tech. (Nagpur—'47)	Cottage industries in general especially soap, oil, fibre and rope making, paper, stationary and processing of agricultural commodities.	Pres.— Industrial Inst., Cottage Industries Section, Nagpur. Perm.—C/o R.D. Panda, Near Dutta Mandir, Wardha.	Investigator.	STO-G.
6615	Pandey, Govind Narain.	1925	B.Sc. (Agra—'46) Dip in chem. tech spl. Textiles (1948)	Engaged in inspection of stores.	Pres.—Tech. Development Establishment (Stores), P.O. Box No 127, Kanpur. Perm.— Vill & P.O. Chambepur, District Kanpur.	Tech. Supervisor.	STO-G.
6616	Pandey, Chandra, Sushil	1928	B.Sc. (Agra—'48) A.H.B.T.I. Oil chem. & tech. (Kaupur—'51)	...	Pres.—H.B.T.I., Kanpur. Perm.—106/187, Gandhi Nagar, Kanpur.	Research Scholar	R-S
6617	Pandit, Gajanan Krishnrao.	1928	B.Sc. Hons. (Bombay—'50) B.Sc. Tech. spl. Oils, Fats & Waxes. (Bombay—'59)	...	Pres.—Opp. Ram Mandir, Mandapeshwar Road, Borivali, Bombay. Perm.— Do.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. S.T.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6618	Pandit, Shreekrishna Prabhakar.	1923	B.Sc. (Banaras—'48) B.Sc. Tech. (Nagpur—'48)	Manufacture of acids.	Pres.— High Explosives Factory, Kirkee. Perm.— Pandit's Bungalow, Modi Line 8, Sitasubdi, Nagpur	Chemical Supervisor.	STO-I.
6619	Pandya, Pushpendra Tanubhai.	1918	B.Sc. (Bombay—'38) B.Sc. Tech (Bombay—'40)	12 years work in analysis and inspection of textile stores.	Pres.— Inspectorate of General Stores Laboratories, Bombay Perm.— C/o Rao Bahadur C.S. Pandya, Nagarfalia, Surat.	Sr. Scientific Officer.	STO-G.
6620	Pant, Basik Chandra.	1926	B.Sc. (Agra—'46) A.H.B.T.I. Oil Chem. (Kanpur—'48)	Worked on analysis of oils & fats.	Pres.— C/o C.J. Oil Mills, Bharthua, Etawah. Perm.— C/o Pt. O.D. Pant, Advocate, Ranikhet, Distt. Almora.	...	Un.
6621	Parbat, Satish	...	B.Sc. (Calcutta—'38)	10 years in soap manufacture and 8 years in analytical work	Pres.— Bengal Chemical & Pharmaceutical Works, Panibati, 24 Parganas. Perm.— Agarpura Station, P.O. Kamarhati, 24 Parganas.	Welfare Officer.	STO-I.
6622	Parekh, Haridas Gangjibhai.	1918	B.Sc. Ind. Chem. (Banaras—'46) Dip. Cotton Weaving. (C. & G., London)	...	Pres.— C/o J.C. Vora, Jayant Villa, G.B. Road, Vile Parle (West), Bombay 34. Perm.— Do.	...	Un.
6623	Parikh, Jayantkumar Girdharlal.	1925	B.Sc. Hons. (Bombay—'46) Dip. in Textiles spl. Spinning & Weaving. (Manchester—'48) A.T.I. (Manchester) A.M.Tech.I. (Gt. Britain)	Silk and art silk weaving.	Pres.— Silk & Art Silk Mills Research Association, Bombay. Perm.— Pandya Vas, Kalol, North Gujarat.	Acting Secretary (Admn., Technical & Planning)	STO-I.
6624	Parikh, Satish P.	1927	B.Sc. (Bombay—'50) M.S. Food tech. (Michigan, U.S.A.—'52)	Manufacture, processing, preservation and quality control of food & food products	Pres.— C/o Sri Ramanlal Mehta, Babulal Mansion, 2nd Floor, Chowpatty Sea Face, Bombay 7. Perm.— Do	...	Un.
6625	Parthasarathi, Tirukandalam Kandadas.	1928	B.Sc. Chem. (Madras—'48) B.Sc. Leather tech. (Madras—'50)	...	Pres.— 22, Dvarka Colony, Mylapore, Madras 4. Perm.— Do.	...	Un.
6626	Parthasarathy, Manakkal Sabhesan	1927	B.Sc. (Madras—'47) B.Sc. Tech (Madras—'50)	...	Pres.— High Explosives Factory, Kirkee. Perm.— 253, Rastapet, Poona.	Chemical Process Supervisor.	STO-I.
6627	Parthasarathy, Natesaiyer.	1924	B.Sc. (Madras—'45) B.Sc. Tech. spl. Textiles. (Madras—'49)	Cotton spinning, weaving, dyeing and finishing.	Pres.— 5, Annapillai Street, George Town, Madras 1 Perm.— Do.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6628	Patel, Jitendra Hiralal.	1924	B.Sc Hons, B.Sc. Tech. spl. Foods & Drugs.	Analysis of foods & drugs.	Pres.— Shyam Bhuvan, Room No 40A, Polbavadi, Parel, Bombay. Perm.— Do.	...	Un.
6629	Pathak, Madhukar Anant.	1926	B.Sc. Hons. (Bombay—'48) B.Sc. Tech. spl. Foods & Drugs. (Bombay—'50) M.Sc. Tech (Bombay—'52)	Conversant with the chemistry of food & food products and analysis of drugs, pharmaceuticals & fine chemicals.	Pres.— C/o M.K. Padgao-kar Esq., Radha Krishna Niwas, 3, Dagadi Wadi, Portuguese Church Street, Dadar, Bombay 14.	...	Un.
6630	Patil, Madhukar Deorao	1923	B.Sc. (Banaras—'43) B.Sc. Tech. (1945)	Analysis of oils & fats and its industrial use in hydrogenation & soap.	Pres.— C/o Shri D.Y. Khisty, Electrician, C.N. 6, Mahal, Near Mohite Wada, Nagpur Perm.— Talao Ward, Warora, Distt. Chanda.	...	Un.
6631	Patil, Ratnakant Janardan.	1926	B.Sc. (Bombay—'49) B.Sc. Food tech. (Bombay—'51)	...	Pres.—C/o V.B. Worlikar, Municipal Corporator, Koliwadi, Worli, Bombay 18. Perm.— Wadavai, P.O. Kelva Mahim, Taluka Palghar, Distt. Thana.	...	Un.
6632	Patwardhan, Dattatraya Krishna.	1914	B.Sc. Ind. Chem. & Chem Engg. (Banaras—'36) Dip. in Ceramics. (Banaras—'37) M.Sc (Banaras—'48)	For 5 years worked on the production of enamelled ware and since 1943 engaged in teaching & research work, published papers concerning ceramics.	Pres.—Dept. of Ceramics, Banaras Hindu University, Banaras. Perm.— Do.	Lecturer.	TR-SG
6633	Patwardhan, Manohar Krishna.	...	B.Sc. Chem. & Physics. (Bombay)	Since 1938 engaged in inspection and testing of all the explosive stores and other materials used in the ordnance factories.	Pres.— Tech. Development Establishment, (M.E.) Detachment, Cordite Factory, Trivankadu, Nilgiris Perm.— C/o Tech. Development Establishment, (M E), Kirkee, Poona 3.	Sr. Scientific Assistant.	STO-I
6634	Patwardhan, Vishnu Mahadev.	1929	B.Sc. (Agra—'50) A.H.B.T.I. Chem. tech. (Kanpur—'52)	...	Pres.— Kanashiya Lal Garg Bungalow, Kanashiya Road, P.O. Anwar-gunj, Kanpur. Perm.— Do.	...	Un.
6635	Paul, Bivash Chandra.	1923	B.Sc. (Calcutta) Cert. in Leather tech. (Calcutta)	From 1947-51 worked on leather problems and published papers	Pres.— T.D.E. Labs., Kanpur Perm.— 78, G.T. Road, Ballygunj, Distt Howrah.	Sr. Scientific Assistant	STO-I.
6636	Pbadke, Chintaman Krishna.	1924	B.Sc. (Bombay—'45) B.Sc. Tech. spl. Textile chem. (Bombay—'47) M.Sc. Textile chem. (Bombay—'50)	Dyeing, bleaching and printing work.	Pres.— R.C. Technical Institute, Ahmedabad Perm.— 374/B, Narayan Peth, Poona 2.	Lecturer in Textile Chem	T-

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No ST	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6637	Phansalkar, Shrikant Laxman.	1910	B.Sc. (Bombay—'32) M.S. Sugar tech. (Louisiana—'36) A.R.T.C. Sugar tech (Glasgow—'37) A.R.I.C. (London—'37)	Sugarcane cultivation, technology of sugar manufacture and by-products of sugar manufacture.	Pres.— The Jiwanjirao Sugar Co. Ltd., Dalaunda, M.B Perm.— 146, Sir Bhalchandra Road, Dadar, Bombay 14.	Chief Chemist & Assistant Manager.	STO-I.
6638	Pillai, N. Madhavan.	1917	B.A. Chem. (Madras—'37) F.I.C.S.	Analysis of soils, fertilizers, tin ores & rubber and in manufacture of latex concentrates, mechanical rubber goods, dipped goods, tyre retreading, etc.	Perm.— Manghattu House, Thekkumbhagam, Paravoor, Quilon, Travancore.	Chemist.	STO-I.
6639	Pillay, K.P. Rama-krishnan.	1922	B.Sc. (Travancore) Dip in Textile manufacture.	Textile testing from fibre to fabric and textile microscopy	Pres.— Technological Laboratory, Matunga, Bombay.	Jr Tester.	STO-SG
6640	Podder, Prasad. Vishnu	1915	B.Sc. (Agra—'36) M.Sc. (Agra—'38) Grad. M.I.Ch.E. (London) F.I.C.S (London) F.I.C.S	Since 1938 working on the manufacture of pulp & paper, cement, caustic soda & chlorine, asbestos cement sheets, etc.	Pres.— Rohtas Industries Ltd., Dalmianagar. Perm.— Poddar House, Mathura.	Works Manager	STO-I.
6641	Prabhakar, Vyankatesh Kango.	1926	B.Sc. (Nagpur—'48) B.Sc. Tech. (Nagpur—'50)	...	Pres.— Tiwari's Bungalow, Dhantoli, Nagpur. Perm.— Do.	...	Un.
6642	Prabhu, Ravalnath M.	1930	B.Sc. Ind. Chem. spl. Oils & Soaps. (Banaras)	Soap manufacture	Pres.— C/o West India Soap and Industrial Co., Car Street, 1st Lane, Mangalore. Perm.— Do.	...	STO-P.
6643	Pradhan, Raghunath Govind.	1900	B.Sc. (Bombay—'22) M.S. Sugar Chem. & Engg. (Louisiana, U.S.A.)	90 years experience in the manufacture of sugar besides factory management.	Pres.— C/o Nizam Sugar Factory, P.O. Shakarnagar, Distt. Nizamabad. Perm.— 25, Vincent Square, Street No. 2, Dadar, Bombay 12	Chief Chemist.	STO-I.
6644	Prayag, Raghvendra Subrao.	1924	B.Sc. Hons. (Bombay—'40) B.Sc. Tech. (Bombay—'38) M.Sc. Textile chem. (Bombay—'51)	Contributed publications on dyeing & finishing of textiles.	Pres.— T.D.E. (T. & C.), Kanpur. Perm.— Hanumant Bhawan, Dharwar.	Sr. Scientific Assistant.	R-G,
6645	Pruthi, Jiwan Singh.	1921	B.Sc. Agri. (Punjab—'45) M.Sc. Agri. Biochem. (Punjab—'49) F.I.C.S. F.R.H.S. (London)	6 years teaching and research work in fruit technology & vegetable preservation, published papers on fruit biochemistry & technology.	Pres.— Central Food Technological Research Inst., Mysore. Perm.— 91, Mohalla Said Kabir, Jullundur City.	Jr. Scientific Assistant.	TR-SG.
6646	Puri, Indra Kumar.	1916	B.Sc. (Delhi—'37) Cert. in Paints tech. (Polytechnic, Delhi—'44)	Since 1944 engaged in preservation of ordnance stores.	Pres.— Central Ordnance Depot, Chheoki, Allahabad. Perm.— C/o Shri Daulat Singh, Roshanpura, Nai Sarak, Delhi.	Stores Preservation Officer.	STO-G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6647	Puri, Sukh Dev.	1918	B.Sc. (Delhi—'39) M.Sc. (Lucknow—'41)	Testing of mineral & vegetable oils, fuels, lubricants, laboratory glass wares, etc.	Pres.— 104/154 A, Rambagh, Kanpur. Perm.— C/o Shri B.L. Puri, Katra Puriaw, Pahari Gate, Batala, Distt. Gurdaspur.	Jr. Scientific Assistant.	STO-G
6648	Purohit, Roop Raj.	1923	B.Sc. Ind. Chem. (Banaras—'45) M.Sc. Tech. (Banaras—'47) M.Sc. Chem. Engg. (California—'50)	Conversant with heavy chemical industries with special reference to problems dealing with chemicals of salt lakes.	Pres — Industries & Commerce Dept., Ajmeri Gate, Jaipur. Perm — Phulia Road, Jaipur.	Industrial Chemist.	STO-I.
6649	Radhakrishnan, V.	1926	B.Sc. (1947) B.Sc. Tech. (1950)	Testing & analysis of paints, varnishes & allied stores.	Pres — T D E. Labs., P Box 320, Kanpur. Perm — C/o V Jayaraman, 10, Satish Mukherji Road, P.O. Kali-ghat, Calcutta 26	Jr. Scientific Assistant	STO-G
6650	Radhanandakishore, Venkatarama.	1930	B.Sc. (Madras—'49) B.Sc. Leather tech. (Madras—'52)	...	Pres — 3, Somanandaram Street, Madras 17. Perm.—C/o Sri V R Venkatarama Iyer, Retd. Asstt Engr., Thyagarasundram, via Swamimalai, District Tanjore	...	Appr.
6651	Raghavan, K.R. Vijaya.	1918	B.Sc. Ind. Chem. (Banaras—'48)	...	Perm — 8, Shankermutt Road, Bangalore 4.	...	Un.
6652	Raghunath, Nangapuram Venkatesha-Iyengar.	1905	B.A. (Mysore—'26) B.E. (Mysore—'30) D.Sc. (Baltimore—'38)	For 21 years worked as General Manager of the Government Porcelain Factory. Specialized in ceramics and published a number of articles on ceramic subjects.	Pres — Central Glass & Ceramics Research Institute, Calcutta 32. Perm.—General Manager, Govt. Porcelain Factory, Malleeswaram, Bangalore.	Asstt Director	R-SG
6653	Rajadnya, Indurao Rajaram.	1909	B.Sc. (Banaras) Sugar Dip. (I.I.S.T., Kanpur)	Over 12 years work in sugar manufacture.	Pres — P.O. Sakarwadi, Distt Ahmednagar. Perm — Rajadnya Wada, Kolhapur.	Manufacturing Chemist.	STO-I
6654	Rajagopalan, D.	1925	B.Sc. Ind. Chem. (Banaras—'46)	Testing of fine chemicals & explosive chemicals.	Pres.— Laboratory Section, Cordite Factory, Aruvankadu, District Nilgiris. Perm.—C/o R. Sarangapani Iyengar, Kuvalavally, via Nidaman-galam, Distt Tanjore.	Supervisor	STO-I.
6655	Rajakumar, Govindaraj.	1918	Dip. in Textile tech. (Bangalore—'43) B.Sc. Textiles. (Mysore—'51)	Spinning and weaving technology besides 3 years teaching work.	Pres.— 15-A, Wheeler Road, Fraser Town, Bangalore. Perm — Do.	Lecturer in Textiles.	T-
6656	Rajan, Krishna Tyaga.	1916	B.Sc. Hons. (Madras—'37)	3 years work in the manufacture of pharmaceuticals and 9 years in the analysis of drugs and chemicals.	Pres — Inspectorate of General Stores Labs, Bombay 1. Perm.—C/o K. Srinivasan, Advocate, Cuddalore N.T.	Sr. Scientific Assistant.	STO-G

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6657	Rajaraman, Sambamurthy.	1909	B.A. (Madras—'30) M.Sc. (Banaras—'33) D.Sc. (Banaras—'47) F.Inst.P (London)	Preparation of cellulose sheets from cotton linters and physical testing of cotton fibres, published several papers on the same.	Pres.— Technological Laboratory, Indian Central Cotton Committee, Matunga, Bombay 19. Perm.— Do.	Research Asstt.	R-SG.
6658	Raj Kumar	1927	B.Sc. (Punjab—'48) Dip. in Fruit tech. (CFTRI, Mysore)	Fruit, vegetable, milk & meat preservation.	Pres.—Police Dispensary, Hoshiarpur.	...	Un.
6659	Rakshit, Jitendra Nath.	1887	F.R.I.C. (London—'26)	Prospecting and planning of chemical & pharmaceutical factories and specialization in alkaloids, fermentation products, essential oils and perfumes; contributed a large number of papers	Pres.— P. 658, Rash Behari Avenue, Calcutta 29. Perm.— Do.	Industrial Consultant.	STO-P.
6660	Ramabadrar, S.	1915	B.Sc. (Annamalai—'33) A.H.B.T.I. Oil tech. (Kanpur—'37) A.R.I.C. (London—'51)	Quality control of miscellaneous stores pertaining to defence services.	Pres.— Inspectorate of General Stores Labs., Bombay 1. Perm.— 29, Adimoolam Pillai Agrahearam, Mathurai.	Jr. Scientific Officer.	STO-G.
6661	Ramachandra, Madhavareddi.	1930	B.Sc. (Andhra—'49) B.Sc. Textile tech (Madras—'51)	...	Pres.— 7/15, Edward Elliot's Road, Madras 4. Perm.— O/o M. Kalidass, Advocate, Bapatla	...	Un.
6662	Ramachandran, G.	1917	B.Sc. Hons. Chem. Tech. (Andhra) F.I.I.S.T. (Kanpur)	15 years experience in sugar manufacture.	Pres.— Shri Sitaram Sugar Co. Ltd., Baitalpur, Distt. Deoria. Perm.— C/o M S Ganeshayiar, Sundara Bhawan, Basavangudi, Bangalore.	Chief Chemist.	STO-I.
6663	Ramaiah, Kattepur Venkata.	1918	B.Sc (Mysore—'42) A.I.I.S.T Sugar tech. (Kanpur—'45)	7 years work in sugar manufacture.	Pres.—The Nizam Sugar Factory Ltd., via Nizamabad, Hyderabad. Perm.— Do.	Asstt. Chemist.	STO-I.
6664	Ramakrishnan, K.F.	1919	B.Sc (1939) Training in analytical procedures. (I.I.Sc., Bangalore)	Analysis and treatment of water for boiler use, algae control, sewage & other trade wastes.	Pres.— Power Station, Basin Bridge, Madras.	Chemist.	STO-G.
6665	Ramamoorthy, S.	1922	B.Sc. (Madras—'43) Oil tech. (C & G. London—'46) Dip. in Soap & Oil manufacture. (Banaras—'48)	7 years work in oil refining and hydrogenation.	Pres.— 98, New Street, Madura. Perm.— O/o M.S. Ayyar, 103, Salai Road, Worli, Trichinopoly.	...	Un.
6666	Ramamurthy, K.	...	Dip. in Textile tech. (Bangalore—'48) B.Sc. Textiles. (Mysore—'49)	Weaving.	Pres.— 2/25, Edward Elliot's Road, Mylapore, Madras.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6667	Raman, Anantha. Gubbi	1899	B.Sc. (Mysore—'35) F.R.I.C. (London—'46)	Industrial organisation in general with specia- lized technical know- ledge of the production of paints, pigments, varnishes and proces- sing of oils for finishes	Pres.— Goodlass Wall Ltd., Bombay. Perm.— 'Gita', Matunga, Bombay 19.	Director.	STA-I.
6668	Ramanathan, C.S.	1910	B.Sc. (Madras—'32) P.G. research on tex- tiles. (Leeds)	Manufacture & develop- ment of textile materials including dyeing & printing work. Publish- ed papers on identifi- cation of textile fibres.	Pres.— Directorate of Technical Development, M.G.O. Branch, New Delhi. Perm.— Do.	Sr. Scientific Officer.	STA-G.
6669	Ramanathan, L.A.	1928	B.Sc. (Madras—'48) B.Sc. Ind. Chem (Banaras—'50) M.Sc. Tech. (Ban- aras—'52)	...	Pres.— 59/1, Birhana Road, Kanpur. Perm.— Do	...	Un.
6670	Ramanathan, Rama- chandra.	1914	B.Sc. (Madras—'33) Cert. in Sugar manu- facture. (C & G. London—'36) Dip of Sugar Analyst (H.B.T.I., Kanpur —'36)	Since 1930 engaged in production of acids and explosives	Pres.— High Explosive Factory, Kirkee, Poona 3. Perm.— Do.	Asstt. Foreman (Chemist)	STO-I.
6671	Ramani, P.R.V.	1911	B.Sc. (Madras)	For the last 19 years working in iron & steel works.	Pres.— J.K. Iron & Steel Co Ltd, Kanpur Perm.— 166, Pattaman- galam Street, Maya- varam.	Works Secre- tary.	STO-I.
6672	Ramarathnam, Krish- naswami.	1928	B.Sc. (Madras—'47) Dip. in Oil & Soap tech. (Cochin—'49)	Worked for 2 years on oil refining and soap making	Pres.— 1, Saiva Muthia Mudali Lane, Muthial- pet, Madras 1. Perm.— Do.	...	Un.
6673	Ramaswamy, A.R.	1912	B.Sc. (Madras—'39) L.T.O. (V.J.T.I. Bom- bay—'35)	Since 1940 teaching tex- tile chemistry upto B.Sc. Tech classes.	Pres.— Govt. Textile Institute, Washerman- pet, Madras 21. Perm.— Do.	Lecturer in Textile Chem	T-G.
6674	Ramaswamy, Bind- iganavale Ramaniya Iyengar.	1925	B.Sc. (Mysore—'45) Dip. in Textile tech. (Mysore—'48) B.Sc. Textiles. (My- sore—'49)	Spinning, weaving and textile testing	Pres.— ATIRA, P.B. 170, Navaratnagapur, Ahmed- abad. Perm.— C/o B.R. Iyengar, 241, East Road, Visves- warpur, Bangalore 4.	Jr. Scientific Assistant.	STO-I.
6675	Ramaswamy, Muthu- swamy Chettiar.	1916	B.Sc. (Madras—'38) B.Sc. (Manchester —'47)	Textile engineering as applied to spinning and weaving.	Pres.— The Vasanta Mills Ltd, Coimbatore. Perm.— Janaki Nilayam, Race Course, Coimba- tore.	Manager.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6676	Ramaswamy, Sesha-dri.	1916	B.Sc. Hons. (Anna-malai—'38)	Since 1941 engaged in research, development and production control in the manufacture of caustic soda, chlorine, bleaching powder, soap, oil, hydrogenation products, etc. Published papers on preparation of caustic soda and calcium hypochlorite	Pres.—Mettur Chemicals Ltd., Mettur Dam R.S. Perm.— Do.	Production Supdt	STO-I.
6677	Ramchandran, Chandu Narainsing.	1907	B.Sc. (Bombay—'31) Ph.D. (Edinburgh—'35)	Cement manufacture, published papers on thermodynamics.	Pres.— Sevalia Cement Works, Distt. Kaira. Perm.— O/o Mr. P.B. Advani, 'Oceania', Marine Drive, Bombay.	Chief Chemist.	STO-I.
6678	Rameshwar Prasad.	1927	M.Sc. (Patna—'50)	Chemical analysis of cement	Pres.— Khalari Cement Works, P O Khalari, Palmau, Bihar. Perm.— C/o Shree Rajendra Prasad, Mohalla Bowhazar, P O Arrah, Bihar.	Lab. Chemist.	STO-I.
6679	Ranganathan, Lakshminarayana.	1928	B.Sc. (Madras—'47) B.Sc. Ceramic tech (Banaras—'51)	...	Pres.— C/o S. Lakshmi-narayana Iyer, 95, Salai Road, Worli, Trichinopoly. Perm.— Do.	...	Un.
6680	Ranganathan, Manjeri Krishnan.	1929	B.Sc. (Madras—'48) M.Sc. (Delhi—'50)	Engaged in manufacture of opium alkaloids.	Pres.— Govt Opium Factory, Ghazipur Perm.—173, Lloyd Road, Madras 14.	Chemical Asstt	STO-I.
6681	Ranganathan, Venkataswamy.	1910	B.Sc. (Madras—'32) A.R.T.C. Sugar tech (Glasgow—'35)	17 years work in manufacture of sugar and alcohol.	Pres.— M/s Parry & Co., Nelliukuppere, District S Aroot. Perm.— 102, Brodies Road, Mylapore, Madras.	Factory Supdt	STO-I.
6682	Rao, A. Madhava	1919	B.Sc. (Madras—'38) M.Sc. Foods & Drugs. (Andhra—'40)	Manufacture & quality control of acids & superphosphates.	Pres.— M/s Parry & Co. Ltd., P.O Ranipet, Distt. N. Aroot. Perm.—C/o A. Raghavendra Rao, Dongerkery Street, Mangalore 3	Asstt Chemical Supdt.	STO-I.
6683	Rao, Balakrishna Naidu Surya. (Lt.)	1925	B.Sc. (Madras—'46) B.Sc. Tech. (Madras—'48)	Inspection of ordnance stores.	Pres.— Inspectorate of General Stores, Anand Parbat, New Delhi. Perm.— 71, West Car Street, Srivillipputturai.	Asstt. Inspector	STO-G.
6684	Rao, Chitra Narasinga.	1906	B.Sc. Agri. (Madras—'32) B.Sc. Hons. Sugar tech. (Andhra—'36)	Sugar manufacture, published papers on the character of sugarcane cultivation.	Pres.—The K.C.P. Ltd., Vuyyuru, Distt. Kistna. Perm.— Dangerous Corner Road, Chengalaraopet, Vizagapatam.	Deputy Chief Chemist.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6685	Rao, Chokkanahalli Nagesh.	1920	B.Sc. (Madras—'41) A.I.I.S.T. Sugar tech. (Kanpur—'44)	8 years work in the manufacture of sugar.	Pres.—The K.C.P. Ltd., Vuyyuru, Distt Kistna. Perm.—C/o Sri Chokkanahalli Raghavendra Rao Garu, Victoriapet, Adoni, Distt. Bellary.	Manufacturing Chemist.	STO-I.
6686	Rao, D. Gridhar.	...	B.Sc Hons (Madras—'44) B.Sc Chem. Tech. (Madras—'46)	Research and development work connected with fertilizers	Pres.—Sindri Fertilizers & Chemicals Ltd., Sindri. Perm.—C/o V.S. Bhat, P. Box No 31, Telli-cherry, Madras State.	Technologist.	STO-I.
6687	Rao, Ellikkotte Krishna Padmanabha.	1916	B.Sc. (Madras—'38)	10 years work in research & analysis of oils, soaps and glycerine; published a paper on sweating of soaps	Pres.—Tata Oil Mills Co Ltd, P.O. Tatas-puram. Perm.—'Padma Vihar', West of T.D. Temple, P.O. Ernakulam.	Analytical Chemist.	STO-I.
6688	Rao, Gadiyara Gundu	1905	B.Sc. (Mysore—'26) M.Sc Phy. Chem. (Bombay—'30) A.I.I.Sc. (Bangalore—'29) A.M.I.C.B.E. (London—'52)	9 years work in sugar manufacture and 10 years in technical and commercial work relating to power alcohol and industrial spirit, published papers on dielectric coefficient of gases and sugar industry.	Pres.—Daurala Sugar Works, Daurala, Distt Meerut Perm.—No. 9, III Main Road, Shankarpura, Bangalore 4.	Manager & Chem. Engr	STO-I.
6689	Rao, H V Bhaskar	1915	B.Sc. (Banaras—'36) Dip in Ceramics (Banaras—'37) M.S. Ceramic Engg. (Ohio, U.S.A.—'48)	For 9 years worked on manufacture of acids, acetone and explosive products. Now engaged in maintenance of refractory linings of various type of metallurgical furnaces & development of new refractories	Pres.—Metal & Steel Factory, P.O. Ishapore, 24 Parganas. Perm.—C/o U.R. Kukilayya, 51, G.N.C. Road, T. Nagar, Madras.	Foreman.	STO-I
6690	Rao, Ivaturi Koteswara.	1914	B.Sc. Ind. Chem. (Banaras—'38)	For 13 years worked as Chief Chemist in Andhra Cement Co. Ltd. Bez-wada.	Pres.—Mudunuri Vari Street, Gandhinagar, Vijayawada, District Kistna. Perm.—C/o A.V. Subbarao, Pleader, Arundal-peta, Guntur, Madras.	...	Un.
6691	Rao, Jampa Virabhadrā.	1917	B.Sc. Hons. Sugar tech. (Andhra—'37) M.Sc. Oil tech. (Andhra—'38)	14 years work of teaching to intermediate & B.Sc. classes, published papers and a book 'Intermediate Practical Chemistry'.	Pres.—P.R. College, Kakinada. Perm.—Frazerpet, Kakinada.	Head of Chem. Dept.	TR-NG.
6692	Rao, Kalpataru Ramakrishna.	1915	B.Sc Hons. Chem. Tech. (Andhra)	Sugar manufacture and refining of vegetable oils.	Pres.—The K.C.P. Ltd., P.O. Vuyyuru, S. India Perm.—Girjamahal, Gandhinagar, Vijaya-vada.	Laboratory-in- Charge.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6693	Rao, Kamalapur Sheshagiri Narasing.	1923	B.Sc. (Bombay—'45) B.Sc. Ind. Chem. spl. Ceramico. (Banaras —'47)	Worked for 4½ years in manufacture of enamelled slates and sign boards.	Pres.—Malamaddi, P.O. Dharwar. Perm.— Do.	...	Un.
6694	Rao, Kantak Anand Yeshwant.	1908	B.Sc. (Bombay—'30)	(i) Laboratory and chemical control of cement manufacture (ii) purification of industrial and drinking waters and (iii) lime stone prospecting.	Pres.—C/o A.C.C. Ltd., Jhinkpani. Perm.— 8, Purandare Park, Vincent Road, Dadar, Bombay.	Chief Chemist	STO-I.
6695	Rao, Kasturi Venkateswara.	1927	M.Sc. Tech. (Banaras —'49)	...	Pres.—C/o T. Satyanarayana, 1, Kalingaroya Mudali Street, Royapettah, Madras. Perm.—C/o P. Umapathy Rao, Ramaraopeta, Kakinada.	...	Un.
6696	Rao, Lingam Venkata Subba.	1923	B.Sc. Ind. Chem. (Banaras—'44) B.S. Paper & Pulp tech (Maine, U.S.A. —'48) M.S. Chem. Engg. (Alabama, U.S.A —'60)	Working on the production of pulp for rayon from indigenous raw materials.	Pres.—National Chemical Laboratory, Poona 8. Perm.—P.O. Bommulur, via Gudivada, Distt Kistna.	Sr. Scientific Assistant	R-SG.
6697	Rao, Mudbidri Shri-pad.	1914	B.A. Chem. (Madras —'35) M.A. Chem (Madras —'37)	Testing and manufacture of cement.	Pres.—The Associated Cement Cos. Ltd., Kistna Cement Works, P.O. Mangalagiri, District Guntur. Perm.—C/o M. Umesh Rao, Advocate, Kaser-code	Sr. Asstt Chemist.	STO-I.
6698	Rao, Peri Subba.	1928	B.Sc. (Andhra—'48) B.Sc. Hons. Sugar tech (Andhra—'50)	...	Pres.—C/o Ganti Chandra Sekhara Sastry, Advocate, 10 G, Edward Ellioots Road, Madras. Perm.—C/o Peri Sundaramayya, Kuchumanchi Vari Street, Amalapuram, Distt. E Godavari.	...	Un.
6699	Rao, Pulugurtha Hanumanta.	1926	B.Sc. (Andhra—'45) B.Sc. Tech (Madras —'47)	4 years of analytical work.	Pres.—1/22, Royapettah High Road, Madras 14. Perm.—Azzarapu Street, Innespet, Rajahmundry.	...	Un.
6700	Rao, Ramakanth	1929	B.Sc. (Madras—'48) M.Sc. Appl. Chem. spl. Oil tech. (Osmania—'50)	...	Pres.—Central Labs. for Scientific & Industrial Research, P.O. Jamai Osmania, Hyderabad Perm.—1271, A. 5, Lingampally, Hyderabad	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6701	Rao, Returi Bhaskara.	1925	B.Sc. Hons. (Andhra—'45) M.Sc. spl. Foods & Drugs. (Andhra—'46) National Bakery Dip. (Leeds, U.K.—'49) Full Tech. Cert. in bread making. (C. & G. London—'49) F.O.S. (London) F.R.S.A. (London)	Manufacture of bread & biscuit and analytical work thereof, also carrying on research with regard to cereals and fats. Published a paper on protein content of ground nuts	Pres.—The Britannia Biscuit Co. Ltd., 15, Taratolla Road, Alipore, Calcutta 27. Perm.—P.O. Thurumella, Tenali Taluk, Madras.	Chief Chemist & Technologist.	STO-I. R-I.
6702	Rao, Saligram Rama-swamy Krishna.	1921	Dip. Textile Tech. (Bangalore—'44) B.Sc. Textiles. (Mysore—'49)	Preparation and weaving.	Pres.—1028/1, Chamarajapuram, Mysore. Perm.—Do	...	Appr
6703	Rao, Sankara Kasi Visweswara.	1915	B.Sc. Hons. (Andhra—'37)	Grading & marketing of different varieties of tobacco.	Pres.—Tobacco Grading, Padma Vilas, Kothapet, Guntur. Perm.—Do.	Sr Inspector	STO-G.
6704	Rao, Shimoga Nadiga Gundu.	1909	B.Sc. (Mysore—'29) A.H.B.T.I. Sugar tech. (Kanpur—'34)	20 years in manufacture of sugar & confectionery and sugarcane development work. Published papers on sugar cane agriculture, milling, classification & processing of cane juice, by-products utilization and chemical control in sugar manufacture. Member of a number of sugarcane committees and associations	Pres.—The Ravalgaon Sugar Farm Ltd., P.O. Ravalgaon, Distt. Nasik. Perm.—548, 18th Cross Road, P.O. Malleswaram, Bangalore 3	Chief Chemist & Manager.	STO-I.
6705	Rao, Shirpurkar Madhukar Krishna. (F/OFF.)	1926	B.Sc. (Nagpur—'45) B.Sc. Tech. (Nagpur—'47)	Working on explosives & fuels.	Pres.—School of Explosives, 2 G.T.S. I.A.F., Tambaram, Madras. Perm.—C/o Shri K.A. Shirpurkar, Walker Road, C.N. 7, Nagpur.	Instructor, (Equipment Officer)	STO-G
6706	Rao, Srinivasarao Narasimhamoorthy.	1928	M.Sc. Foods & Drugs. (Andhra—'51) Dip in Food Tech. (CFTRI, Mysore—'52)	...	Pres.—Govt. Polytechnic, Kalamassery, T.C. State Perm.—T.C. 408A, P.O. Puthen Street, Trivandrum	Sr Lecturer & Head of Dept. of Food Technology.	T-G.
6707	Rao, T.L. Narasimha.	1929	B.Sc. (Andhra—'50) B.Sc. Textile tech. (Madras—'52)	...	Pres.—3rd Line, 5th Cross, Arundalpet, Guntur. Perm.—Chagantipadu, P.O. Devarapalli, via Vuyyur, Distt. Kistna.	...	Un
6708	Rao, Tenneti Krishna.	1914	B.Sc. (Andhra—'34) B.Sc. Hons. Chem. Tech. (Andhra—'36)	10 years work in manufacture of acids and explosives.	Pres.—Cordite Factory, Aruvankadu, District Nilgiris. Perm.—Rama Raopet, Cocanada, Distt. East Godavari.	Asstt. Foreman.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6709	Rao, Vagvala Venkata Krishna.	1930	M.Sc. Chem. Tech. (Andhra—'52)	Froth floatation of pyrolusite & graphite ores.	Pres.— C/o Sri V. Venkatayudu, 26, Srinivaspuram II Street, Royapettah, Madras 14 Perm.—O/o Sri V. Satyanarayana, Headmaster, Board High School, Chataparru, Eluru, West Godavary.	...	Un.
6710	Rao, Venkata Kameswara Vanka (Lt)	1926	B.Sc. Hons. Pharmaceuticals. (Andhra—'47) M.Sc. Tech. (Andhra—'48)	Preservation of stores.	Pres.— Technical Staff Officers' Course, T.D.E.S., P. Box 127, Kapur. Perm.—C/o Vanka Suryanarayana Garu, Vekil, Maharanipet, Vizagapatnam	...	STO-G.
6711	Rao, Yelagalarvadi Krishnacharya Raghunatha.	1906	B.Sc. (Mysore—'26) M.Sc. (Bombay—'31) A.I.I.Sc Ind. Chem. (Bangalore—'31) A.M.I.Ch.E. (London)	Specialization in factory design and construction. For 15 years worked in the manufacture of sugar and power alcohol. At present conducting research concerning food engineering, published several papers.	Pres.— Central Food & Technological Research Institute, Mysore Perm.—2958, Saraswathipur, Mysore.	Sr. Scientific Officer (Food Engg.)	R-SG.
6712	Rathi, Ramvilles Jagannath.	1924	B.Sc. Ind. Chem. (Banaras) M.Sc. Chem. Engg. (Ohio, U.S.A.) Ph.D. Chem. Engg. (Ohio, U.S.A.)	Manufacture of sulphuric acid and pigments.	Pres.—West India Chemicals Ltd., Poona. Perm.— G14, Raviwar Peth, Poona 2.	Manager	STO-I.
6713	Ray, Benoyendra Nath.	1918	B.Sc. Hons. (Calcutta—'37) M.Sc. (Calcutta—'39) Received training in optical engg. & glass blowing. (U.K.)	Optical engineering, laboratory & scientific glass blowing and photochemistry. At present engaged in optical components manufacture for different types of instruments of high precision.	Pres.— Optical Section, Ordnance Factory, Dehra Dun. Perm.—C/o J.N. Ray Esq., P.O. Jhargram, Midnapore.	Asstt. Foreman (Optical)	STO-G.
6714	Ray, Debabrata.	1923	B.Sc. (Calcutta—'49)	10 years experience in manufacture of acids and heavy chemicals.	Pres.—C/o Messrs Bengal Chemical & Pharmaceutical Works Ltd., P O Panibati, 24 Paraganas.	Chemist.	STO-I.
6715	Ray, Dhruba Kumar.	1917	B.Sc. Hons. (Calcutta—'37) M.Sc. Appl. Chem. (Calcutta—'39) L.I.M. (London)	Supervision of inspection and testing of metallurgical products both ferrous and non-ferrous.	Pres.— Office of the Dy. Director of Inspection, Ministry of Works, Housing & Supply, Burnpur. Perm.— Do.	Asstt. Inspecting Officer (Metallurgical)	STO-G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6716	Ray, Sasadhar.	1908	M.Sc. Physics. (Dacca—'30) Training in refractories and clay. (U.K.)	Specialized in manufacture of earthenware, bone china & porcelain. Since 1947 teaching ceramic technology and guiding research on Indian ceramic raw materials. Published papers on manufacture of pottery goods.	Pres.— Bengal Ceramic Institute, (Govt. of W. Bengal), 71, Sura First Lane, Bellaghata, Calcutta 10	Supdt.	TR-G.
6717	Ray, Sudhir Kumar.	1921	B.Sc. Hons. (Dacca—'44) M.Sc. Appl. Chem (Dacca—'45)	Doing research on electro-deposition of metals.	Pres.— National Metallurgical Laboratory, P.O. Burma Mines, Tatnagar Perm.— 11D, Nasiruddin Road, Flat No 1, P.O. Park Circus, Calcutta 17.	Jr. Scientific Assistant.	R-SG
6718	Reddy, Alla Narayana	1919	B.Sc. (Andhra—'50) B.Sc. Tech. spl. Textiles. (Madras—'52)	...	Pres.— 9/4, Devangapet, Coimbatore Perm.— Produtur, P.O. Kankipadu, Bezwada	...	Un.
6719	Roi Choudhuri, Anil Proead.	1909	B.Sc. (Calcutta—'33) Cert. in tanning. (Calcutta)	15 years experience of leather tanning & finishing and testing of tanning materials.	Pres.—VIII A/25, Armapur Estate, Kanpur. Perm.— C/o Dr S.P. Roi Choudhuri, Ballygunge Science College, Calcutta.	...	Un.
6720	Roshan Lal.	1915	B.Sc. Hons (Punjab—'36)	17 years work in sugar manufacture	Pres.— Punjab Sugar Mills Co. Ltd., Ghughli, Distt. Gorakhpur. Perm.— Do.	Chief Chemist.	STO-I
6721	Roy, Bhupendra Chandra	1898	B.Sc. (Calcutta—'21)	29 years experience in cement manufacture.	Pres.— Banmore Cement Works, Gwalior. Perm.— 167/1/1, Cornwallis Street, Calcutta.	Chief Chemist	STO-I.
6722	Roy, Rabindra Nath.	...	B.Sc. (Calcutta—'26)	Manufacture of acids, heavy chemicals and tar products.	Pres.—Bengal Chemical & Works Supdt. Pharmaceutical Works Ltd., Panibati, District 24 Parganas. Perm.— Do.	Supdt. Chemist.	STO-I.
6723	Roy Chowdhury, Tara Kumar.	1912	M.Sc.	Cement manufacture.	Pres.—A.C.C., Shahabad Perm.— 20D, Garcha Lane, Ballygunge, Calcutta	Asstt. Chemist.	STO-I.
6724	Rudra, Sachindra Nath.	1904	B.Sc. (Calcutta—'26) M.Sc. Phy. Chem. (Calcutta—'31) F.I.C.S. (1949)	For 20 years worked in the manufacture, standardisation & investigation of drugs for oral & parenteral administration at different pharmaceutical manufacturing works.	Pres.— 28 A, Ramkanto Bose Street, Calcutta 3 Perm.— Do	...	...

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No S.T.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6725	Sadlage, Shantinath Devappa.	1922	B.Sc (Bombay—'45) Dip in Textile Chem (Baroda—'51)	...	Pres — C/o G.H. Tendulkar, Anupurwa Sadan, Bhatwadi No. 1, Girgaon, Bombay Perm — U/o V.S. Sammane, Kapaleswar Galli, Belgaum.	...	Un.
6726	Sah, Brij Chandra.	1923	B.Sc. Ind. Chem (Banaras—'42) M.Sc. Tech Oils & Soaps (Banaras—'44) M.S. spl. Paints. (Brooklyn, U.S.A.—'50)	Doing research on printing inks of different types.	Pres.—National Physical Laboratory, New Delhi Perm.—Thatheri Bazar, Banaras.	Research Officer (C.S.I.R.)	R-SG.
6727	Saha, Amarendra Nath.	1908	M.Sc. Appl. Chem. spl Oils (Calcutta) D.Phil. Appl. Chem. (Calcutta) F.I.C.S.	Teaching & guiding research in oil technology, published papers on oils & dyes.	Pres.— Dept. of Applied Chemistry, University College of Science & Technology, 92, Upper Circular Road, Calcutta 9.	Lecturer in Oil Tech.	TR-SG.
6728	Saha, Niranjan Prasad.	1925	B.Sc (Calcutta—'45) Dip. in paints & varnishes.	Metallurgical analysis and paint work	Pres — 2/7A, Banamati Street, Calcutta 5. Perm — Do.	Supervisor.	STO-I.
6729	Saha, Sudhir Kumar	1919	B.Sc Hons. (Dacca—'42) M.Sc. Appl. Chem. (Dacca—'43)	9 years of teaching work.	Pres.— Victoria College, Cooch-Behar. Perm — Do.	Lecturer in Chemistry.	T-N.G.
6730	Saharia, Lakshman Swaroop.	..	B.Sc (Aligarh—'42) A.H.B.T.I. Oil tech. (Kanpur—'44)	Worked for 4½ years as a chemist in an oil mill	Pres.—14, Sarai Khirni, Aligarh Perm — Do.	...	Un.
6731	Saigal, C.B.S	1918	M.Sc. Textile tech (Leeds, U.K.) L.T.M. (Bombay—'41)	Spinning and carding.	Pres.— Muir Mills Co. Ltd., Kanpur.	Spinning Master	STO-I.
6732	Sajjan Singh.	1902	B.Sc. Hons. (Punjab—'24) M.Sc (Punjab—'26)	Since 1933 working in sugar manufacture.	Pres.— Simbhaoli Sugar Mills Ltd., P.O. Simbhaoli, Distt. Meerut Perm.— 6/9, Rajinder-nagar, New Delhi.	Asstt Chemist.	STO-I.
6733	Saksena, S.K.	1913	B.Sc. Tech. (Banaras—'37) A.I.I.S.T. Sugar tech (Kanpur—'41)	12 years experience in manufacture of sugar, alcohol and pharmaceuticals, published papers on the same.	Pres.— Allahabad Distillers Association Ltd., Allahabad. Perm.— C/o Sri Kashi Prasad Saksena, Advocate, Ganga Prasad Road, Lucknow.	Manager & Chief Chemist	STO-I.
6734	Saksena, T.P.	1914	B.Sc. (Agra—'30) A.H.B.T.I. Sugar tech (Kanpur—'38)	For about 12 years worked on sugar manufacture, published papers on the same	Pres.— The Sugar Technologists Assoc. of India, Kanpur. Perm.— C/o Shri Raghu-nath Prasad, Singi Street, Agra.	Asstt. Secretary.	STO-P.
6735	Sandil, Chakraverti	1930	B.Sc Hons. (Punjab—'51) M.Sc Tech. Paints. (Punjab)—'52)	...	Pres.— F 284, Rajendra Nagar, New Delhi. Perm.— Do.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6736	Sane, Laxman Yashawant.	1914	M.Sc. (Bombay—'39)	Analytical work.	Pres — Laboratory Section, High Explosive Factory, Kirkee Perm.-431/2, Purandare Colony, Poona 2.	Chargeman, (Incharge)	STO-I.
6737	Sane, Shiwaram Keshav.	1908	B.Sc. (Bombay—'31) A.H.B.T.I. Sugar tech (Kanpur—'34) Trained in Plastics moulding & making of tools. (England)	(i) Manufacture of sugar (ii) manufacture & repairing of spare parts for big machineries (iii) plastics moulding and manufacture of dies & punches.	Pres — Walchandnagar Industries Ltd., Walchandnagar, District Poona Perm — C/o P.V. Sane, Supdt., Navin Marathi Shala, Poona 2.	Engineer	STO-I.
6738	Sangani, Keshavkant Jamnadas.	1928	B.Sc. Hons. (Bombay —'49) B.Sc. Food tech. (Bombay—'58)	Analytical work of food articles and assay of vitamins.	Pres — C/o Jamnadas Devsibhai, Khaangaon, Berar Perm. — Do	...	Un.
6739	Saujana, Jal Sorabji.	1902	Graduate in Metallurgy. (Jamshedpur —'28) Dip. Ing. Fuel Engg (Karlsruhe, Germany —'33) Dr. Ing. Chem. Engg (Karlsruhe, Germany —'34) M.M.G.I. (India) M.I.F. (London)	Specialization in fuel technology—solid, liquid & gaseous Published a paper on 'The phenomenon within plastic range of coals'.	Pres — Tata Iron & Steel Co. Ltd., Jamshedpur Perm. — 5, Kosi Road, Jamshedpur	Chief Fuel Engineer	STO-I.
6740	Sanyal, Dinesh Chandra.	1903	B.Sc. (Calcutta)	Over 25 years work in developing and improving the cutch-katha industry Research in the tannin extraction of any kind especially in cutch & catechu	Pres.— Indian Wood Products Co. Ltd., Bareilly Perm.— Do	Research Officer.	R-I.
6741	Sanyal, Susil Kumar.	1909	B.Sc. (1928)	Design, construction and maintenance of furnaces and plants.	Pres — Building Section, M. & S. Factory, Ishapore Perm.—10, Deodar Street, Ballygunge, Calcutta.	Asstt. Foreman	STO-I.
6742	Saraswat, Prasad.	1930	B.Sc. Glass tech. (Banaras—'49)	...	Pres.—5, Kapoor Niwas, Nawabganj, Kanpur Perm.—46, Garden Road, Tundla.	...	Un.
6743	Sarda, Puran Karan.	1930	B.Sc. Ind. Chem. (Banaras—'49) M.Sc. Tech. spl Fine Chemicals. (Banaras —'51)	...	Pres — Sarda Bhawan, Ajmer. Perm.— Do.	.	Un.
6744	Sarin, Pran Nath.	1929	B.Sc. (Madras—'49) B.Sc. Fuel tech. (Madras—'52)	...	Pres —C/o Y. Rajasekhar, Swastik Club, Matunga, Bombay 19. Perm — 6A/65, W E A., Karol Bagh, Delhi.	.	Un.
6745	Sarkar, Gopal Chandra.	1899	B.Sc. Hons. (Calcutta —'20) M.Sc. (Dacca—'22)	For 28 years worked on coke oven plant and in similar industries.	Pres —C/o Sri M.O. Mitra, Mining Quarters, Hirapur, Dhanbad. Perm.— Do.	...	...

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6746	Sarkar, Gour Gopal	1922	B.Sc Hons. (Calcutta —'48)	Carrying research on washability of coal.	Pres.— Fuel Research Inst., P.O. Jealgora, Distt. Manbhum Perm.— C/o Netai Pada Sarkar, P.O. Bolpur, Katchatipara, Distt. Birbhum.	Sr. Scientific Assistant.	R-SG.
6747	Sastri, Aradhyula Sambasiva.	1916	B.Sc Hons. Sugar. Tech. (Andhra—'37) M.Sc. (Bombay—'46)	For 6 years worked on sugar manufacture. Now doing research work in the chemical aspects of tobacco crop. Published papers on purification of sugar juice by sulphitation method.	Pres.— Central Tobacco Research Inst., Seetham- petta, Rajahmundry. Perm.—P.O. Jami, Distt. Vizagapatam.	Research Asstt.	R-SG.
6748	Sata, Kanayyalal Karunashankar.	1928	B.Sc. (Poona—'49) B.Sc. Tech Plastics. (Bombay—'51)	...	Pres.— Morvi Technical Institute, Morvi, Sau- rashttra.	Jr. Lecturer in Engg Chem.	T-
6749	Sathyamoorthy, G.	1929	B.Sc. Tech Inter- mediates & Dyes (Bombay—'51)	...	Pres.—159, North Chitra Street, Tirangam. Perm.— Do		Un.
6750	Satyarnayana, Avvari.	1914	B.Sc. Hons Sugar tech. (Andhra—'37)	12 years experience in control and co-ordina- tion of chemical engi- neering operations in the manufacture of acids and explosives.	Pres.— High Explosive Factory, Kirkee. Perm.—Paparaju Thots, Chirala.	Chargeman.	STO-I.
6751	Sewhney, Dewan Inder Singh. (Major)	1914	B.Sc (Punjab—'36) A.F.I. Petroleum (England)	10 years service, training army personnel in petroleum handling & storage.	Pres.— Army Service Corps School, Bareilly. Perm — C/o Imperial Bank of India Ltd., Bareilly.	Sr Instructor (Petroleum)	T-G.
6752	Saxena, Ishwar Sarup	1928	B.Sc. Ind. Chem. (Banaras—'50) M.Sc. Tech. (Banaras)	...	Pres — T/82, Railway Quarters, Jullundur City.	...	Un
6753	Saxena, Radha Sahai	1911	B.Sc. (Allahabad—'30) M.Sc. Physics. (Allah- abad—'32) A.H.B.T.I. Oil tech. (Kanpur—'37) F.H.B.T.I. (Kanpur —'41) LL.B (Agra—'36)	Preservation of service stores against biological & non-biological agen- cies, published papers relating to oil technolo- gy.	Pres.— T.D.E. Labs., Kanpur. Perm.— C/o M.S. Saxena, Purani Kotwali, Jhansi	Jr. Scientific Officer.	STO-G.
6754	Saxena, Sri Narain	1910	B.Sc (Agra) A.H.B.T.I. Oil tech. (Kanpur)	12 years of oil refining & manufacture of vege- table products and double boiled & stand oils.	Pres.— Bharat Vegetable Products Ltd., Chatra- pur, District Ganjam, Orissa. Perm.— C/o Sri Hariher Prasad, Mohalla Taxal, Faizabad.	Shift Chemist.	STO-I.
6755	Seal, Govinda Chandra.	1915	B.Sc. Hons (Rangoon —'35) M.Sc. apl. Oil tech. (Calcutta—'37)	Engaged in research & technological work re- lated to fertilizer, glue and gelatine industry.	Pres.— Atlas Fertilizers Ltd , Calcutta. Perm.—99/1A, Cornwallis Street, Calcutta 4.	Chief Chemist.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. St.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6756	Sekhri, Avtar Krishan.	1928	B Sc. Hons. (Punjab—'49) M Sc. Tech. (Punjab—'50)	Teaching to degree classes.	Pres.— R.S.D. College, Ferozepur Perm — Sekhriian Street, Batala, Distt Gurdaspur	Prof & Head of Chemistry Dept	T-NG.
6757	Sen, Dhirendra Nath.	1905	B Sc. (Calcutta—'25) Dip. in leather tech. (H.B.T.I., Kanpur—'29) Training in leather tech. (England)	Design, development & inspection of leather & footwear for defence services.	Pres.— T.D.E. Labs, Kanpur Perm — 4, Majeedabad, Souterganj, Kanpur.	Sr. Scientific Officer.	STO-G.
6758	Sen, Gopendra Chandra.	1907	B Sc. (Calcutta—'28)	Experience in petroleum technology.	Pres — T.D.E. Laboratories, P.O. Box No 320, Kanpur. Perm.— Do	Jr. Scientific Officer.	STO-G.
6759	Sen, Joy Chandra.	1918	B Sc. (Allahabad—'40) Dip. in Leather tech. (Northampton—'50) Full Tech. Cert. in leather tech. (C & G London—'50)	5 years technical & production work in Govt Harness & Saddlery Factory Kanpur.	Pres.—C/o M/s Sen & Co., The Mall, Kanpur. Perm.— Do	Foreman.	STO-I.
6760	Sen, Kshitindra Nath.	1907	B.Sc. (Calcutta—'27)	14 years experience in manufacture of sugar and 3 years in coal gas, acetylene & oxygen.	Pres.— M/s Oriental Gas Co. Ltd, 14, Canal West Road, Calcutta. Perm — 9, Russa Road South, Third Lane, P.O Tollygunj, Calcutta.	Asstt. Manager (Tech.)	STO-I.
6761	Sen, Kumud Bihari.	1889	M Sc. (Calcutta—'13) F.R.I.O (London—'34) M.G.M.S. (India)	Carried research work connected with various industries like paper, refractories, steel, mineral oil, etc. At present engaged in coke oven work, published papers on dyes, synthesis of organic compounds and analytical work	Pres — Loyabadi Coke Plant, P.O. Barasjora, Maubham. Perm.—O/o M/s Bird & Co Ltd, Calcutta.	Consultant.	STO-I.
6762	Sen, Parimal.	1922	B Sc. Hons. (Calcutta—'45) B.Sc. Tech spl Oils. (Nagpur—'48) Grad. M.I.I Ch.E	At present doing research on utilization of bauxite deposits with special reference to thermal treatment of vegetable oils.	Pres -- Laxminarayan Institute of Technology, Nagpur. Perm— C/o S.B. Sen, Advocate, Mohan Nagar, Nagpur.	Research Asstt.	R-SG.
6763	Sen, Sudhir.	1919	B.Sc (Patna—'38) M.Sc. Appl. Chem. (Calcutta—'40) M.S Ceramic Engg. (Illinois, U.S.A.—'49) Ph.D. Ceramic Engg. (Illinois, U.S.A.—'50)	Conducting research on ceramics and analytical chemistry, published papers on analytical chemistry & glass technology.	Pres — Refractory Divn, National Metallurgical Laboratory, Jamshedpur. Perm. — 9, Russa Road South, 3rd Lane, Tollygunge, Calcutta.	Jr. Scientific Officer.	R-SG.
6764	Sen Gupta, Dhirendra Nath.	1906	M.Sc. Org. Chem. (Bauaras—'92)	Manufacture of sugar, condensed & powdered milk and soaps.	Pres — Banga Laxmi Chemical Works, 11, Clive Row, Calcutta. Perm. — 2, Barada Basak Street, Calcutta 36	Chief Chemist	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. S.T.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6765	Sen Gupta, Jasoda-nanda.	1925	B.Sc. Ind. Chem. (Banaras—'46) Dip. in Soap tech (Banaras—'48)	Engaged in analytical work connected with defence services stores.	Pres.— T.D.E. Laboratories, Kanpur.	Jr. Scientific Assistant.	STO-G.
6766	Sen Gupta, Susil Kumar.	1918	B.Sc. Hons. (Calcutta—'34) M.Sc. Appl. Chem. (Calcutta—'36)	Worked in the manufacture of proteins & fats and vitamins associated with them, published papers.	Pres.—Kandi Raj College, P.O. Kandi, District Murshidabad. Perm.— Do.	Prof. of Chem.	T-NG.
6767	Seshan, Pallassena Krishna.	1918	B.Sc (Madras—'33) M.Sc Spectroscopy. (Madras—'36) A.R.I.C (London—'36) F.S.C.I. (London—'38) F.C.S. (London—'38)	Production of acids, ammonium nitrate, explosives, caustic soda & soda ash, producer gas, H <sub>2</sub> , N <sub>2</sub> , CO <sub>2</sub> gases and fertilisers. Published papers on absorption, fluorescence spectra of organic compounds and application of spectroscopy to blood analysis & vitamin assay.	Pres.—Gas Division, The Fertilisers & Chemicals, Travancore Ltd., P.O. Udyogmandal, Alwaye, Travancore-Cochin. Perm.—C/o K.P. Rama-krishna Iyer, Advocate, 38, Alamel Mankapuram, Mylapore, Madras.	Supdt.	STO-I.
6768	Seth, Gautam Kumar.	1923	B.Sc. Hons. (Punjab—'45) M.Sc. (Punjab—'46)	Working on problems relating to public health engineering with special reference to stream pollution & industrial wastes treatments, published a number of papers on these subjects	Pres.— All India Inst. of Hygiene & Public Health, Calcutta 12. Perm.— 214/1/3, Lower Circular Road, West Range, Calcutta 17.	Asstt. Research Officer.	R-SG.
6769	Seth, Sant Ram.	1910	B.Sc. Hons. (Punjab—'31) M.Sc. Org. Chem. (Punjab—'32)	18 years work in sugar manufacture.	Pres.— Sugar Mill, Jarwal Road, District Bahraich, U.P. Perm.— P.O. Ahrana Kalan, Distt. Hoshiarpur.	Laboratory In-charge.	STO-I.
6770	Seth, Shiv Parshad.	1921	B.Sc. (Punjab—'48) A.I.I.S.T. (Kanpur—'47) F.I.I.S.T. (Kanpur—'50)	Sugar manufacture.	Pres.— The Lakshmi Sugar Mills Co. Ltd., P.O. Maholi, District Sitapur. Perm.— Do.	Manufacturing Chemist	STO-I.
6771	Seva Ram.	...	B.Sc. (Agra—'44) A.H.B.T.I. Oil tech. (Kanpur—'46) Grad. M.I.W. (London—'51)	For 8 years worked in different oil mills.	Pres.— Indian Oxygen & Acetylene Co. Ltd., P. Box 34, Kanpur. Perm.—Kalyan Eye Hospital, Khatauli, Distt. Muzaffarnagar.	Tech. Representative.	Ucl.
6772	Shah, Chhaganlal Shivraj.	1924	B.Sc. Hons. (Bombay—'47) L.T.C. (Bombay—'49) M.Sc. Chem. Engg. (Iowa—'50)	Specialised knowledge of oils, fats, soaps and related industries e.g. hydrogenation of fats, glycerine recovery, cosmetics, etc.	Pres.—I/c Vegetable Soap Works, Big Bazar, Kozhikode 1. Perm.— Do.	Chemical Engr.	STO-I.
6773	Shah, Ghanshyamlal Manilal.	1918	B.Sc. (Bombay) D.C.T. (Baroda)	For the last 12 years engaged in the manufacture of acids and heavy chemicals.	Pres.—Petlad Turkey Red Dye Works Co. Ltd., Petlad, via Anand. Perm.— Limbaeni, Petlad, via Anand.	Chief Chemist.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6774	Shah, Kantilal Shan-kerlal.	1925	B.Sc. Hons. (Bombay—'48) A.I.I.S.T. (Kanpur—'51)	4 years work in a sugar factory.	Pres.—Gwalior Sugar Co. Ltd., Dabra, M.B. Perm.— Holdharvas, Distt. Kaira.	Manufacturing Chemist.	STO-I.
6775	Shah, Pannalal Dahyabhai.	1926	B.Sc. Hons. (Bombay) B.Sc. Dyes tech. (Bombay)	...	Preo.— C/o I.P. Sheth, 3rd Floor, Govind Bldg., Princess St., Bombay 2 Perm.—P.O. Damka, via Surat.	...	Un.
6776	Shah, Pratap Rai Gordhan Das.	1929	B.Sc. Hons. (Bombay) B.Sc. Textile tech. (Bombay—'53)	...	Pres.— 42, Tarawalla Bldgs., 147, Lohar Chawl, Bombay 2. Perm.— Do.	...	Un.
6777	Shah, Ratelal Jag-jivan.	1908	B.Sc. (1931)	Manufacture of epsom salt, potassium chloride & magnesium chloride.	Pres.—Tata Chemicals Ltd., P.O. Mithapur, Okhamandal.	Dy. Supdt.	STO-I.
6778	Sharma, G.R.	1918	B.Sc. (Delhi—'38)	Manufacture of acids, heavy chemicals, super-phosphates and textiles.	Pres.—D.C.M. Chemical Works, Delhi. Perm.—1712, Sohan Ganj, Subsimandi, Delhi	Junior Officer.	STO-I.
6779	Sharma, Gauri Shanker.	1916	Dip. in Chem. Tech. of Textiles. (1948)	Dyeing, bleaching and calico-printing.	Pres.—Daisydell, Upper Karthu, Simla. Perm.— 302, Bollesauganj, Cantonment, Agra.	Asstt Inspector of Vocational & Tech. Training.	T-G.
6780	Sharma, Om Prakash.	1927	B.Sc. (Agra—'46) Dip. in Textile tech. (Delhi Polytechnic—'49)	Weaving & designing.	Pres.— T D E. Laboratories, Kanpur. Perm.—237, Swamipura, Meerut City.	Jr. Scientific Assistant.	STO-G.
6781	Sharma, Ramdeo.	1921	B.Sc. (Agra—'41) A.H.B.T.I. Oil tech. (Kanpur)	Oil extraction, washing soaps and vanaspati manufacture.	Pres.—C/o Amrit Banaspatti Co. Ltd., Mazgaon, Bombay 10. Perm.—C/o Pandit Lila Dhar Sharma, Vill & P.O. Souai, District Mathura.	Sr. Chemist.	STO-I.
6782	Shastri, Deep Kumar.	1926	B.Sc. (Banaras—'46) M.Sc. Tech. spl. Oil & Fats. (Banaras—'48)	...	Pres.—Survey & Information Division, National Chemical Laboratory, Poona 7. Perm.—C/o K N. Shastri, Joy Villa, Tali Tal, Naini Tal, U.P.	Jr. Scientific Assistant.	Scientific editing
6783	Shegaonkar, Laxman Ukardajee.	1912	B.Sc. (Nagpur—'34) A.H.B.T.I. Oil tech. (Kanpur)	11 years work in the manufacture of paints, enamels, varnishes, oil-bound and dry distemper.	Pres.— Noble Paint & Varnishes Co. Ltd., Fergusson Road, Lower Parel, Bombay 13. Perm.—118, Khatao Terrace, Parel, Bombay 12.	Chief Chemist.	STO-I.
6784	Shende, Achyut Vishnu.	1928	B.Sc. (Bombay—'50) B.Sc. Textile tech. (Bombay—'52)	...	Pres.— D/30, Hemraj Wadi, Thakurdwar, Bombay 2. Perm.— Do.	...	Un.
6785	Shirsekar, Mohan Dharmajee.	1930	B.Sc. (Bombay—'50) L.T.O. Foods & Drugs (V.J.T.I., Bombay—'58)	...	Pres.— 156, Sir Bhalchandra Road, Dadar, Bombay 14 Perm.— Do.	...	Un.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6786	Shroff, Hashmukhlal Bhagvandas.	1894	B.Sc. Tech. (Manchester) A.M.C.T. (Manchester-'15) A.R.I.C. (London-'18) F.R.I.O. (London-'45)	Worked in various capacities as Principal, Textile Expert, Deputy Director and General Manager all concerning textiles. Specialization in chemical technology of textiles, published several papers mainly on the dyeing of wool, silk and cotton	Pres.— The Ahmedabad Textile Industry's Research Assoc., Navrangpura, Ahmedabad. Perm.— Nanavat, Surat.	Secretary.	STA-I.
6787	Shukla, Janardan Prasad.	1910	B.Sc. (Allahabad-'31) M.Sc. (Allahabad-'33) A.H.B.T.J. Sugar tech. (Kanpur-'35) F.I.I.S.T. Fermentation. (Kanpur-'37)	Manufacture of ethyl alcohol, power alcohol, butanol, food yeast, citric acid and allied fermentation products. Published papers on the above subjects.	Pres.— Indian Inst. of Sugar Technology, Kanpur. Perm.— Do.	Biochemist.	TR-G.
6788	Shukla, Sanmukhram Narottam.	1913	B.Sc. (Bombay-'35) P.G. Dip. in Sugar tech. (Kanpur-'37)	Since 1937 engaged in sugar manufacture.	Pres.— The Maharashtra Sugar Mills Ltd., P.O. Tilaknagar, District Ahmednagar. Perm.— Mandvi, District Surat.	Deputy Chief Chemist.	STO-I.
6789	Singh, Bir Bahadur.	1912	A.M.I.E.T. spl. Ind. Chem. (London)	Since 1933 working on the manufacture of sugar.	Pres.— Mowar Sugar Mills, P.O. Bhupalsagar, Rajasthan. Perm.— Vill. Mathia, P.O. Bhatwalia, Distt. Champaran.	Chief Chemist.	STO-I.
6790	Singh, Digvijai.	1927	Dip. in Chem. Engg. & Chem. Tech. (Delhi Polytechnic-'52)	Engaged in testing of petroleum products.	Pres.— Petroleum Products, T.D.E. Labs., P. Box No. 320, Kanpur. Perm.— C/o Ranvir Singh, Vill. Sonana, P.O. Barnali Rao, District Aligarh.	Jr. Scientific Assistant.	STO-G.
6791	Singh, Hari Ram.	1907	M.Sc. Physics (Allahabad-'33)	20 years experience in sugar manufacture.	Pres.— The Gwalior Sugar Co. Ltd., Dabri, M.B. Perm.— Raipuri, Bijapur, Mirzapur.	Chief Chemist.	STO-I.
6792	Singh, Indra Deo.	1920	B.Sc (Lucknow-'39)	13 years of development and analytical work relating to paints & allied stores.	Pres.— T.D.E. Labs., Kanpur. Perm.— 24/35, Kailash Bhawan, Birkha Road, Kanpur.	Sr. Scientific Assistant.	STO-G.
6793	Singh, Ram Chandra.	1911	B.Sc. (Calcutta-'31) Dip. in Sugar Chem. & Tech. (H.B.T.I., Kanpur-'33)	Sugar chemistry, cane sugar technology, distillation of alcohol from molasses and chemical engineering pertaining to cane sugar factory machinery & by-products besides fuel economy in cane sugar factories.	Pres.— The Hindusthan Sugar Mills Ltd., Golagokarannath, District Kheri, U.P. Perm.— Vill. & P.O. Gahamar, Distt. Ghazipur, U.P.	Chief Chemist.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6794	Singh, Ram Karan, (Capt.)	1915	M.Sc. (Allahabad-'41)	Inspection, repair, test and demolitions of all service ammunition, explosives, etc.	Pres.— Ammunition Depot, Gummidipundi, Near Madras. Perm.— Shanti Villa, P.O. Rajesultangore, Azamgarh, U.P.	Inspecting Ordnance Officer.	STO-G.
6795	Sinha, Amarendra Nath.	1925	B.Sc. (Calcutta—'45) Dip in Soap tech. (Calcutta) A.I.F. (London)	Engaged in gas manu- facture.	Pres.—Gas Plant, Sindri Fertilizer & Chemicals Ltd., P.O. Sindri, Man- bhumi. Perm.— 6/2, Kankulie Road, Ballygunge, Cal- cutta.	Asstt. Foreman.	STO-I.
6796	Sitaraman, S.	1911	B.A. Phys. & Chem. (Madras—'33) L.T.M. Spg. & Wvg. (Bombay—'37) B.Sc Tech apl. Tex- tile Chem. (Manches- ter—'40)	Since 1937 engaged in spinning & weaving work.	Pres.— C.S.W. Mills, Coimbatore. Perm.— Do.	Weaving Mas- ter.	STO-I.
6797	Sivaramayya, Bhami- dpati.	1928	B.Sc. Ind. Chem. (Banaras)	...	Pres.— C/o B. Satya- murthy, Municipal Office, Vizagapatam. Perm.— Do.	...	Un.
6798	Sivasambu, Manga- lam Arunachala.	1924	B.Sc. (Madras—'44) M.Sc. Oil tech. (Os- mania—'46)	Engaged in research on vegetable oils especially castor oil, contributed papers on the same.	Pres.—Central Labs. for Scientific & Industrial Research, Hyderabad. Perm.— Do.	Scientific Offi- cer.	R-G.
6799	Sivaswami, Tarakad Ganapathy.	1909	M.A. Chem. (Madras —'33) M.Sc. Biochem. (Mad- ras—'37) A.R.I.C. (London)	Manufacture and hand- ling of explosives and acids.	Pres.—Cordite Factory, Aruvankadu, Nilgiris. Perm.—C/o Sakthi, Arogya- swamy Road, Coim- batore.	Asstt. Fore- man.	STO-I.
6800	Sohoni, Padmakar Dinkar.	1927	B.Sc. (Bombay—'46) Dip. in oils & soaps. (Banaras—'47)	...	Pres.— High Explosive Factory, Poona Perm.—629/32, Sadashiv Peth, Deshmukhwadi, Poona 2.	Supervisor 'B' Grade.	STO-I.
6801	Somayajulu, Bulusu Venkappa.	1930	B.Sc. Ind. Chem (Banaras—'49) M.Sc. Phy. Chem. (Saugor—'51)	...	Pres.—L4/21, Road No. 9, Farm Area, Kadma, Jamshedpur. Perm.— C/o B Subrah- manyam, Teacher, M H School, P O Bheemuni- patnam, Distt Visakha- patnam	...	Un.
6802	Soni, Shanti Swaroop.	1930	M.Sc Tech. (Banaras —'51)	...	Pres.— C/o R.O. Soni, Sugar Factory, P.O. Munderwa, Distt. Basti. Perm.— Do	...	Un.
6803	Sovakar, Kalisankar.	...	B.Sc. Hons. M.Sc. (Lucknow—'33)	Fermentation & distilla- tion, manufacture of white sugar & power alcohol.	Pres.—S.K.G. Distillery, P.O. Mirganj, District Sravasti. Perm.— Nederpara, P O Krishnagar.	Distillery Manager.	STO-I

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6804	Sreenivasan, K.	1916	B.Sc. (Madras) B.Sc. Textile tech. (Manchester) M.Sc. Textile tech. (Manchester)	Textile technology and cotton spinning, contributed a number of papers.	Pres.—Kasthuri Mills Ltd., P.O. Singanallur. Perm.—'Kalpana', Avanashi Road, Coimbatore.	Manager.	STO-I.
6805	Strikantiah, S.	1927	B.Sc. (Mysore—'44) Dip. in Textile tech. (1947) B.Sc. Textiles. (My- sore—'48)	...	Pres.—S.K.S.J. Techno- logical Institute, Ban- galore 8. Perm.—150, Margosa Road, Bangalore 8.	Lecturer in Textile Tech.	T-
6806	Srinagabbhushana.	1908	B.Sc. (Mysore—'27) F.T.I. (Manchester)	Since 1927 engaged in teaching and research work in textile testing & spinning; published a number of papers on physical properties of raw silk, parachute silk fabrics, cotton fibres, etc.	Pres.—Sri Krishna- ra�endra Silver Jubilee Tech. Inst., Bangalore. Perm.—No. 36/1, Ranga Rao Road, Shankara- puram, Bangalore 4.	Principal & Prof. of Tex- tile Tech. & Testing.	TR-
6807	Srinivasamurthi, E.	1924	B.Sc. (Andhra—'46) B.Sc. Ind. Chem. (Banaras—'49) M.Sc. Tech. (Banaras —'50)	...	Pres.—O/o G.V. Krishna Rao, 24, Deccan Gym- khana, Poona 4. Perm.—O/o E.V. Ramana Murthy, Chief Chemist, Parry & Co., Samalkot.	...	Un.
6808	Srinivasan, T.K.	1931	B.Sc. (Madras—'50) B.Sc. Textile tech. (Madras—'52)	...	Pres.—22, Dvaraka Colony, Mylapore, Mad- ras 4. Perm.—Do.	...	Un.
6809	Srinivasan, Vangal Ramasamy Iyengar Gopalaiyengar.	1917	B.Sc. (Madras—'37)	Analysis & chemical control in cement manufacture.	Pres.—Madukkarai Cement Works, Madukkarai. Perm.—C/o V.R. Gopala Iyengar, 119, West Chitra St., Srirangam.	Asstt. Chemist.	STO-I.
6810	Stiramulu, Patalam Kasturi.	1921	B.Sc. (Mysore—'46) B.Sc. Textiles. (My- sore—'49)	Textile manufacture in- cluding weaving and designing.	Pres.—T.I.T. College, Birla Colony, Bhiwani. Perm.—3, Suseela Cott- age, Dodd Mavalli, Bangalore City 9.	Lecturer in Textiles.	T-NG.
6811	Srivastava, B.B	1912	B.Sc. (Lucknow—'31) A.H.B.T.I. Sugar tech. (Kanpur—'38)	20 years in sugar manu- facture.	Pres.—Shree Anand Su- gar Mills, Khalilabad, Distt. Basti, U.P. Perm.—Mohalla Kanooon- goan, Gonda.	Chief Chemist.	STO-I.
6812	Srivastava, Harihar Prasad.	1931	B.Sc. (Agra—'49) A.H.B.T.I. Oil tech. (Kanpur—'51)	...	Pres.—O/o Dr. Ram Shanker, 18/59, The Mall, Kanpur. Perm.—Do.	...	Un.
6813	Srivastava, Ishwar Saran.	1911	B.Sc. (Allahabad—'34) A.H.B.T.I. Sugar tech. (Kanpur—'36) Ph.D. (Delaware, U.S.A.—'49) Sugar manufacture Exam. (O. & G. Lon- don—'45) F.I.C.S.	19 years experience in sugar manufacture.	Pres.—Kamlapat Motilal Sugar Mills, P.O. Moti- nagar, Distt. Faizabad. Perm.—C/o Dr. K.P. Srivastava, 108, Bai Ka Bagh, Allahabad.	Manufacturing Chemist.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6814	Srivastava, Om Prakash.	1929	B.Sc. (Agra—'48) A.H.B.T.I. Oil tech. (Kanpur—'50)	Engaged in testing of lubricating oils & greases.	Pres.— T.D.E. Lab., Kanpur. Perm.—105/306, Srinagar, Kanpur.	Jr. Scientific Assistant.	STO-G.
6815	Srivastava, Rasik Behari Lal.	1926	B.Sc. (Agra—'47) A.H.B.T.I. Oil tech. (Kanpur—'51)	...	Pres.— C/o Shri Radha, Krishna, 7/103, Swaroop Nagar, Simla Bridge, Kanpur Perm.— C/o Shri Avadh Behari Lal Srivastava, Vakil, Shiva Sadan, Hardoi.	...	Appr.
6816	Srivastava, Vishnu Deo Prasad.	1921	B.Sc. Ind. Chem. (Banaras—'48)	...	Pres.—Chemistry Dept., Science College, Patna 5 Perm.—C/o Sahdeo Prasad Srivastava, Advocate, P.O. Bansi, Distt. Basti	Laboratory Assistant	T-G.
6817	Subbarayan, Trichinopoly Ratnam Pillai.	1909	B.Sc Agri. (Madras —'32) A.H.B.T.I. Sugar tech. (Kanpur)	20 years experience in sugar manufacture and sugar cane development & cultivation.	Pres.—The Mysore Sugar Co. Ltd., Mandya, Mysore. Perm.—C/o T.R. Sundaram Pillai, Race Course, Coimbatore.	Chief Chemist.	STO-I.
6818	Subrahmanyam, Mantravadi Venkata.	1929	B.Sc. (Andhra—'49) B.Sc. Textile tech. (Bombay—'52)	...	Pres.— C/o M. Sitaramiah, Cashier, Kitna Cement Works, Tadepalli, District Guntur. Perm.— Do.	...	Un.
6819	Subramanya, Shimoga.	1925	B.Sc. Textiles. (Mysore—'50)	Worked for about one year on spinning.	Pres.— C/o S Chintamani Sastry, B B. Street, Shimoga Perm.— Do.	...	Un.
6820	Sud, Lajpat Rai.	1918	B.Sc. Hons. (Punjab —'38) M.Sc. Tech. (Punjab —'39) A.R.I.C. (London—'52)	Guiding research & development work on cellulose particularly its degradation and preservation, also on fungicides and timber preservatives, published papers on cellulose & its preservation.	Pres.—T.D.E. Labs., P.O. Box No. 320, Kanpur. Perm.— 12/482, Civil Lines, Kanpur.	Jr. Scientific Officer.	R-G.
6821	Sur, Mriganka Mohon.	1899	B.Sc. (Calcutta—'20)	Since 1922 engaged in technical control & development of enamels & enamelling processes.	Pres.— Sur Enamel & Stamping Works Ltd., Calcutta. Perm.—6½, Serpentine Lane, Calcutta.	Managing Director.	STO-I.
6822	Surain Singh.	1908	B.Sc. (Punjab)	Manufacture of high explosives and cartridges.	Pres.— Ammunition Depot, Amritsar, M.P. Perm.— Do.	Asstt. Security Officer.	UoI.
6823	Suri, Girdharilal.	1899	B.Sc. Hons. Tech. (Punjab—'20) M.Sc. (Punjab—'24)	33 years experience in teaching & trade work connected with bleaching, dyeing, calico printing and colour chemistry.	Pres.—Govt. Institute of Dyeing & Calico Printing, Ludhiana. Perm.—Suri Street, Kartarpur, Distt. Jullundur	Principal.	T-G.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6824	Suri, Prem Nath.	1907	B.Sc. Hons. (Punjab —'31) M.Sc. (Punjab—'32)	20 years experience of sugar manufacture.	Pres.— The Lakshmi Sugar & Oil Mills Ltd., Hardoi. Perm.—C/o L. Dina Nath Anand, 18/20, Patel Nagar East, New Delhi.	Sr. Chemist.	STO-I.
6825	Swaminathan, M.N.	1929	B.Sc. Hons. (Delhi —'49) M.Sc. Appl. Biochem. (Calcutta—'51)	...	Pres.— 10/278, Deodhar Road, Matunga, Bombay 19. Perm.— Do.	...	Un.
6826	Swaminathan, R.	1922	B.Sc Hons (Calcutta —'40) M.Sc. (Calcutta—'42)	Worked for 3 years as Lecturer in chemistry. At present engaged in production of heavy chemicals and explosives.	Pres.—High Explosives Factory, Kirkee, Poona 8. Perm.— C/o P.B. 41, Pudukottai, Madras.	Asstt. Works Manager.	STO-I.
6827	Takru, Prakash Nath.	1912	B.Sc. (Allahabad-'32) Dip in Sugar tech. (H.B.T.I., Kanpur —'34)	For 4 years worked on sugar manufacture. At present engaged in sale of sugar machinery.	Pres.— M/s Gannon Dunkerley & Co. Ltd., Chartered Bank Bldg., Fort, Bombay. Perm.—19, Sir T.B. Sapru Road, Allahabad.	Head of the Sugar Dept.	STO-I
6828	Talukdar, Naval Gustasp.	1913	B.Sc. (Bombay—'37)	14 years in cement manufacture.	Pres.—A.C.O., Shahabad. Perm.— 98, Mahatma Gandhi Road, Poona.	Chief Chemist.	STO-I.
6829	Talwar, Ved Vyas.	1927	B.Sc. Hons. (Punjab —'48) M.Sc. Tech. (Punjab —'49)	Testing of paper & inks, ultra-violet & infra-red photography including photomicrography & microphotography.	Pres.—National Archives of India, New Delhi. Perm.—3030, Kaziwara, Daryaganj, Delhi.	Asstt. Chemist.	STO-G.
6830	Tandon, Jagdish Narain.	1929	B.Sc. (Allahabad—'48) A.H.B.T.I. Oil tech. (Kanpur—'51)	...	Pres.— 7/140, Swarup Nagar, Kanpur. Perm.— Pratap Kutir, Kannauj, U.P.	...	Un.
6831	Tandon, Parmatma Saran.	1923	B.Sc. (Agra—'49) A H B T I. Oil tech. (Kanpur—'45)	Refining of vegetable oils and manufacture of soap from refinery foots.	Pres.—Shri Shyam Nath Mills Ltd., Sitapur. Perm.—C/o Sheo Shanker Lal Mehrotra, Mohalla Saadatganj, Lucknow.	Chemist-in-Charge.	STO-I.
6832	Tanksale, Yashvant Ganesh.	1911	B.Sc (Bombay—'32) Training in fermentation tech. (I.I. Sc., Bangalore)	19 years experience in sugar manufacture.	Pres.—Brihan Maharashtra Sugar Syndicate Ltd., P.O. Shreepur, Distt. Sholapur.	Factory Manager.	STO-I.
6833	Taskar, Surendranath Trimbak.	1927	B.Sc Hons (Bombay —'49) B.Sc. Oil tech. (Nagpur —'52)	...	Pres.—532, Ramchandani Bldg., 17th Road, Khar, Bombay 21. Perm.— Do.	...	Un.
6834	Tatu, Shashikant Gajanan.	1930	B.Sc. (Bombay—'51) B.Sc. Textile tech. (Bombay—'53)	...	Pres.— School for Deaf Mutes, Navrangpura, Ahmedabad 9. Perm.— Do.	...	Un

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6835	Teekchandani, Dayanand S.	1927	B.Sc. Ind. Chem. (Banaras—'49) M.Sc. Tech. Fine Chemicals. (Banaras—'51)	...	Pres.—C/o F.D. Jaisilganj, 45, Lady Jamshedji Road, Upper Mahim, Bombay 16. Perm.—12, Allenby Road, New Delhi.	...	Un.
6836	Tewari, Chandra Nath.	1906	B.Sc. (Calcutta—'27) A.H.B.T.I. Oil tech. (Kanpur—'30) A.R.I.C. (London)	Planning of small chemical industries, manufacture of fine chemicals, oils & soaps. Now doing development & research work in inorganic stores pertaining to defence services. Published papers on foaming power of soaps, development of aluminium welding fluxes from indigenous materials and analytical chemistry.	Pres.— I/o Inorganic Laboratory, Technical Development Establishment, Napier Road, Kanpur. Perm.—15, Majid Bldgs., Souterganj, Kanpur.	Sr. Scientific Officer.	R-G.
6837	Thakkar, Narendra-kumar Pragjibhai.	1928	B.Sc. Hons. (Bombay—'50) B.Sc. Textile tech. (Bombay—'53)	...	Pres.—Saraswati Bhavan, Mahatma Gandhi Road, Ghatkopar. Perm.— Do.	...	Un.
6838	Thakur, Kashinath Laxman.	1930	B.Sc. (Bombay—'50) B.Sc. Food tech. (Bombay—'52)	...	Pres.— 4, Tilak Road, Santacruz, Bombay 28. Perm.— Do.	...	Un.
6839	Thorla, Lavji Tribhuvan.	1902	Dip. Ing. (Fridericiana, Germany—'32) Dr. Ing. (Fridericiana, Germany—'34) F.I.C.S.	Specialization in the manufacture and setting up the industry for rayon & cellulose including pulp. Set up a few industries in different parts of India. Carried extensive research work for utilizing short staple cottons, cotton wastes & cotton linters for rayon manufacture and published papers on the same.	Pres.—576, Manu Villa, Matunga, Bombay 19. Perm.— Do.	Consultant.	STO-P.
6840	Tirumulpad, T.N.S.	1930	M.Sc. Tech. spl. Oils & Soaps. (Banaras—'52)	...	Pres.—No. 5, Vikas, Chembur, Bombay. Perm.— Lakshmi Vilas, P.O. Nilambur, S. Malabar.	...	Un.
6841	Tiwary, Rameshwary Prasad.	1919	M.Sc. (Nagpur—'49) M.Sc. Glass tech. (Alfred, U.S.A.—'50)	Since 1943 service in the Education Dept., Govt. of M.P.	Pres.—938, Bai Ka Bagicha, Jabalpur. Perm.— Do.	Lecturer in Chemistry.	T-G.
6842	Trehan, Jatindra Nath.	1916	B.Sc. Hons. (Punjab—'37) M.Sc. Tech. (Punjab—'38)	Manufacture & handling of acids, high explosives & nitrocellulose.	Pres.— High Explosive Factory, Kirkee, Poona 3.	Asstt. Foreman.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6843	Trigunayat, K.C	1902	B.Sc (Banaras-'25) M.Sc (Banaras-'27)	Since 1933 teaching industrial chemistry e.g. oils, fats and carbohydrates including sugar, starch and paper.	Pres.— Banaras Hindu University, Banaras. Perm.— New G/5 Residence, P.O. Hindu University, Banaras 5.	Asstt. Prof.	TR-SG.
6844	Tripathi, Krishna	1927	B.Sc. Glass tech. (Banaras-'61)	Engaged in inspection, control & development of ceramic stores required for defence services.	Pres.— T.D.E. Labs., P. Box 127, Kanpur. Perm.— KM/122, Om Nagar, Darshanpurava, Kanpur.	Jr. Scientific Assistant.	STO-G.
6845	Tripathi, Govind	Shri 1928	B.Sc. (Agra-'47) Dip. in Textile tech. (Kanpur-'49) Full Tech. Cert. in cotton dyeing & textile printing. (C. & G. London-'49)	Dyeing, bleaching and printing of textile fibres.	Pres — Govt. Central Textile Institute, Kanpur. Perm.— Vill. Ghgori, P.O. Durahat, via Raniket, Distt. Almora.	Printing Asstt.	STO-G.
6846	Udupa, Handady Venkatakrishna.	1921	B.A. Chem (Madras-'42) B.Sc Hons. spl. Electrochem. (Madras-'44) M.A. Chem. (Madras-'46) M.Sc Dyes. (Madras-'47) A.M. Ind. Chem. (Columbia-'48) Ph.D. Chem. (Ohio-'50) A.R.I.C. (London)	Doing research work in textile chemistry, bleaching, dyeing, finishing, etc.; published research papers in the problems of electro-chemistry & textile chemistry and patented some of the processes.	Pres.— C/o Ahmedabad Textile Industry's Research Association, Ahmedabad. Perm.— Vill. Handady, P.O. Brahmavar, Distt. S. Kanara.	Sr. Scientific Asstt. (Textile Chem.)	R-NG.
6847	Unny, K. Sundareswaran.	1927	B.Sc. (Madras-'48) B.Sc. Leather tech. (Madras-'50)	...	Pres — High Explosive Factory, Kirkee, Poona 9. Perm.— Kodakara Moopil House, P.O. Thiruvazhiyad, via Nemmarai.	Supervisor 'B' Grade.	STO-I.
6848	Uppal, Inder Singh	1914	B.Sc. Hons. Tech. (Punjab-'34) M.Sc spl Textile Auxiliaries. (Punjab-'35) Ph.D. Textile Auxiliaries. (Punjab-'39) F.R.I.C. (London-'48) F.I.C.S.	Worked on soil stabilization, manufacture of starch, glucose, etc., and set up new plants. Now doing organisation of vocational training centres & work centres and development of industrial areas. Published papers on wetting agents in textile processing, sulphonated oils, starch and industrial utilization of soap-nuts saponin.	Pres.—G.H.Q. Buildings, Simla. Perm.— Do.	Dy. Director of Industries.	STA-G.
6849	Uppal, Madan Mohan.	1924	B.Sc. Hons. (1943) M.Sc. Tech. (1944)	For 4 years worked on glass manufacture. Now engaged in analysis & manufacture of opium alkaloids and opium drugs.	Pres.— Govt. Opium Factory, Ghazipur. Perm.—2885, Tilak Street, Chuna Mandi, Pahar ganj, New Delhi.	Chemical Asstt.	STO-I.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6850	Uttarwar, Sadashiv Vyankanna.	1925	M.Sc. Oil tech. (Banaras—'51)	...	Perm.—C/o N.V. Uttarwar, P.O. Wanvi, Distt. Yeotmal.	...	Un.
6851	Vahil, Moti Lal.	1930	B.Sc. (Delhi—'49) Dip. in Chem. Engg. & Tech. (Delhi—'52)	Working on the project 'Reaction of formaldehyde with cellulose'.	Pres.— Shri Ram Institute for Industrial Research, 19, University Road, Delhi 8. Perm.— 425, Kucha Brij Nath, Chandni Chowk, Delhi.	...	Appr.
6852	Vaid, Suraj Bal Ram.	1909	B.Sc (Punjab—'30)	23 years experience in sugar manufacture.	Pres.—S.B. Sugar Mills, Bijnor. Perm — C/o Raizada Krishan Manmohan, Vaid, Botany Branch, Forest Research Inst., Dehra Dun.	Chief Chemist.	STO-I
6853	Vaishampayan, Govind Shripad.	1930	B.Sc. Hons. (Bombay—'50) B.Sc. Tech. Pharmaceuticals & Fine Chemicals. (Bombay—'52)	...	Pres—Gogate Wadi, Top Floor, Tulsi Pipe Road, Mahim, Bombay 16 Perm — Do	...	Un.
6854	Varma, Brahma Shankar	1900	B.Sc. (Punjab—'20)	About 30 years work on the assay and analysis of all types of forest products, tans, dyes, drugs, essential oils, etc. Published several papers dealing with wood distillation products and other subjects as mentioned above.	Pres.— All, Laurie Road, P.O. New Forest, Dehra Dun Perm — Do.	Analytical Chemist	R-G
6855	Varma, Dayal Saran.	1904	B.T.E. (France) B.E.I. (Paris) D.S.B. (France) C.A.P. (Grenoble, France)	Specialized in fibre technology and weaving mechanism.	Pres — Technological Institute of Textiles, Bhiwani. Perm.—27, Soami Nagar, Dayalbagh, Agra.	Vice-Principal & Sr Lecturer in Weaving Technology.	T-t.
6856	Varma, Harshanker Prasad.	1911	M.Sc. (Allahabad) A.H.B.T.I. Sugar tech (Kanpur)	Doing research work in sugarcane physiology, published papers on the same.	Pres — Sugarcane Research Station, Shahjahanpur Perm — 28, Park Road, Allahabad.	Sr Physiological Asstt.	R-G.
6857	Varma, M.K. Udaya.	1929	B.Sc. (Travancore—'48) B.Sc. Leather tech. (Madras—'50)	...	Pres.—C/o Dr. V.M. Nair, 69, Strahans Road, Perambur Barracks, Madras. Perm — Mangalapalli Kovilakam, Chengannoor, Travancore.	...	Un.
6858	Varma, Nirmal Chandra.	1909	B.Sc. (Allahabad—'31) A.H.B.T.I. Sugar tech. (Kanpur—'33)	Teaching & guiding research on sugar technology. Also managing the experimental sugar factory. Published papers on Indian Sugar Standards.	Pres — Indian Inst. of Sugar Technology, Kanpur. Perm.— Do.	Asstt Prof. of Sugar Technology.	TR-(r)

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY--Contd.

S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6869	Varma, Satya Pal.	1921	B.Sc. Hons. (Punjab—'42) M.Sc. (Punjab—'49) B.S. Glass tech. (Alfred, U.S.A.—'47) M.S. Glass tech. (Alfred, U.S.A.—'48) Ph.D. Ceramics. (Pennsylvania, U.S.A—'48) F.I.C.S.	Looking after development of carbide, silicate glass, ceramics, jute & rayon industries, published papers on special glasses.	Pres.— Development Wing, Ministry of Commerce & Industry, Shahjehan Road, New Delhi. Perm.— 190, Pataudi House, New Delhi	Dy. Development Officer. (Chemicals)	STA-G.
6860	Vasudeva, Dharm Pal.	1928	M.Sc. Tech. (Punjab—'61)	...	Pres.— O/o Pt. Ram Kishan, Head Clerk, Police Office, Ferozepore Cantt. Perm.— Vill. & P.O. Kot Fatuhi, via Mahalpore, Distt. Hoshiarpur.	...	Un.
6861	Vasudevan, S.	1914	B.Sc. (Madras—'35) Training in Sugar tech. (Kanpur—'38)	6 years work in manufacture of sugar and 9 years in power alcohol.	Pres.— The Govt. Power Alcohol Factory, Shakkunagar, Hyderabad. Perm.— Do	Chemist in-Charge.	STO-I.
6862	Veeraraghavan, S	1923	B.Sc. Ceramic tech. (Banaras—'47)	Worked on pottery making	Pres.— 25, Main Road, Pudupulayam, Cuddalore. Perm.— Do.	...	Un.
6863	Venkatachalam, Ekambaram.	1922	B.Sc. (Madras—'43) A.F. Inst. Petroleum. (London—'50)	Testing of petroleum products.	Pres.— T.D.E. Labs., Kanpur. Perm.— 6, Masilamani Street, Thyagaraynagar, Madras 17	Junior Scientific Assistant. (Grd. II)	STO-G.
6864	Venkatachari, T E	1908	B.A. (Madras—'28) M.A. Chem. (Madras—'30)	Production of acids, explosives & acetone.	Pres.— Cordite Factory, Aruvankadu, Nilgiris Perm.— Do.	Foreman.	STO-I.
6865	Venkatesappaiyah, Dantu.	1916	B.Sc. (Andhra—'36) B.Sc. Hons. Chem Tech. (Andhra—'38)	Teaching dairy chemistry to I.D.D. students. Published papers on composition of oils & milk.	Pres.— Dairy Chemistry Section, Indian Dairy Research Institute, Bangalore 1. Perm.— O/o Mr. D.S. Sastry, Maudapeta, Distt. East Godavary.	Tech. Asstt	T-G.
6866	Venkataram, V.S.	1917	B.Sc. (Mysore—'38) Dip. in Textile tech. (Bangalore—'41) B.Sc. Textiles. (Mysore—'51)	8 years varied experience in dyeing, bleaching & finishing besides teaching work.	Pres.— S.K.S.J. Technological Inst., Bangalore 1. Perm.— Do.	Lecturer in Dyeing.	T-
6867	Venkataraman, A.K.	1927	B.Sc. (Madras—'47) B.Sc. Textile tech. (Madras—'49)	Cotton spinning.	Pres.— M/s Vijayamobini Mills Ltd., P.O. Thirumala, Trivandrum. Perm.— Do	Manager.	STO-I.
6868	Venkataratnam, Avasarala.	1926	B.Sc. Hons. Tech. (Andhra—'47) M.Sc. Sugar tech. (Andhra—'48)	Working on the electro-chemical reduction of glucose and starch-hydrolysate.	Pres.— Dept. of Technology, Andhra University, Waltair. Perm.— O/o Avasarala Anantha Rao, Velagathodu, P.O. Dwarapudi, Distt. East Godavari.	Govt. Research Scholar.	R-S.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6869	Venkatesubbiah, Ramakrishnan.	1927	B.Sc. (Madras—'48) B.Sc. Textile tech. (Madras—'51)	...	Pres.— C/o Sri M.V. Ramakrishnan, 1, Sri- puram Extension, Tiru- nellore. Perm.— Do.	...	Un.
6870	Venkateswarlu, Chan- duri.	1930	B.Sc. Hons. Chem. Tech. (Andhra—'52)	...	Pres.— Sarraju Street, Bhimavaram, District W. Godavari. Perm.— Nidamarru, Tadepalligudem Taluk, District. W. Godavari.	...	Un.
6871	Venkateswarlu, Gana- pathi Raju.	1920	B.Sc. Hons. Chem. Tech (Andhra—'41) F.I.C.S.	Worked for 4 years in sugar manufacture, 4½ years in chemicals & pharmaceuticals manu- facture and 6 years in teaching chemistry to intermediate classes.	Pres.— Sir Theagaraya College, Madras 21 Perm.—C/o G. Krishnayya Garu, Kalavalla, Distt. Nellore.	Lecturer in Chemistry.	T-NG.
6872	Verma, Dinesh	1929	B.Sc. (Agra—'48) A.H.B.T.I. Oil tech. (Kanpur—'50)	...	Pres.— Vikash, Anand Bagh, Kaupur. Perm.— Do.	...	Un
6873	Vidyarthi, Suraj Dutt.	1918	B.Sc. Ind. Chem. (1938) A.H.B.T.I. Oil tech. (Kaupur—'40)	12 years work in oil millings, vanaspati and soap manufacture. Pub- lished books on 'Linseed oil & its products' and 'Production of vegetable oils'	Pres.— Tungabhadra Industries Ltd., Kur- noor Perm.— C/o Vidyarthi Brothers, Akola, M.P.	Asstt. Produc- tion Manager.	STO-I.
6874	Vijaya Raghavan, Kuppuswamy.	1923	B.Sc. (Madras—'44) B.Sc. Tech. (Madras —'46)	Manufacture of acids and explosives.	Pres.— Cordite Factory, Aruvaankadu. Perm.— Do	Asstt. Works Manager.	STO-I.
6875	Wagh, Dnyaneshwar Dattatreya.	1923	B.Sc. (Agra—'44) A.H.B.T.I. Oil tech. (Kanpur—'46) Trained in the manu- facture of paints. (U.K.)	Testing, formulation and manufacture of pig- ments, paints & varni- shes.	Pres.— Elephant Oil Mills Co. Ltd., Maz- gaon, Bombay 10. Perm.— Do	Chemist.	STO-I.
6876	Wakade, Digambar Vyankatesh.	1913	B.Sc. (Bombay—'41)	Inspection of small arms ammunition.	Pres.— 607, Budhwar Peth, Poona 2. Perm.— Do.	Asstt. Foreman.	STO-G.
6877	Walkmik, Hari Lal.	1911	B.Sc. Hons. Tech. (Punjab)	Worked on the develop- ment of chemicals, food, cement & mineral oil industries.	Pres.— Civil Supplies & Rationing, Rohtak. Perm.— C/o Pt. Lachhmi Chand, Lakshmi Niwas, Bazar Nauhrian, Am- bala City.	Supdt.	Ucl.
6878	Warhadpande, Uma- kant Raghubanath.	1923	B.Sc. (Nagpur) B.Sc. Tech. (Nagpur)	Teaching and doing research work on de- structive distillation of wood and isolation of by-products therefrom.	Pres.— Laxminarayan Institute of Technology, Nagpur, Perm.— Nagjibhai Town, Sitabaldi, Nagpur.	Jr. Lecturer in Chem. Engg.	T-SG.

## INDUSTRIAL CHEMISTRY &amp; CHEMICAL TECHNOLOGY—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6879	Wysawanare, Vinayak Yadeorao.	1916	M.Sc. (Nagpur—'49)	Engaged in analysis of salt samples.	Pres.—Test Laboratory, Deodani Circle, Sam- bhar Lake, Rajasthan. Perm.— Khamtalao Ward, Bhandara.	Sr. Chemical Assistant.	STO-G.
6880	Yathiraja, Aroot Ranganatham.	1902	B.Sc. (1923) A.I.I.Sc. Org. Chem. (Bangalore—'26) A.R.T.C. Sugar tech. (Glasgow—'27) A.R.I.O. (London—'42)	Manufacture of sugar & carbon dioxide, confec- tionery, refining & hy- drogenation of vegetable oils and distillation of alcohol; published a few papers.	Pres.—Srirama Sugars & Industries Ltd, Bobbili, Distt. Srikakulam. Perm.— 'Prabha', 8, Bessant Avenue, Adyar, Madras 20.	Chief Chemist.	STO-I.
6881	Zedu, Vishwa Nath.	1928	B.Sc. (Allahabad—'44) LL.B. (Saugor—'48)	Worked on fuel testing & maintenance of smoke generators, indexing & abstraction of technical information, teaching & inspection of arma- ments.	Pres.— T.D.E. (A), Kir- kee, Poona. Perm — No. 21, Amrit Kaur Road, Ishwar Nivas, Dehra Dun.	Asstt. Fore- man	STO-G.

# GEOLOGY & MINERALOGY

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6882	Aaron, Frederick.	1931	B.Sc. (Madras—'52)	...	Pres.— 22, Kandappa Achari Street, Madras 7. Perm.— Do.	...	Un.
6883	Aggarwala, Gian Chaud. (Major)	1907	B.A. (Punjab—'27) M. Inst. Surveyors.	25 years experience in topographical surveying, map drawing & map printing, levelling & triangulation traversing.	Pres.— G S G S, A.H.Q., New Delhi. Perm.— C/o Surveyor General of India, Dehra Dun.	Staff Officer.	STO-G.
6884	Awasthi, Anand Mohan.	1927	B.Sc. (Lucknow—'50) M.Sc. Geophysics, (Banaras—'52)	...	Pres.— 234, Brocha Hostel, Banaras Hindu University, Banaras. Perm.—C/o D.D. Awasthi, National Botanical Garden, Lucknow.	...	Un.
6885	Badola, Sukhbir Singh.	1924	B.Sc. (Banaras—'50) M.Sc. (Banaras—'52)	...	Pres.— C/o Dr. Durga Prasad, Durga Pharmacy, Dehra Dun Perm.—C/o Dr. B. Thungamma, B21/192, Shanti Bhawan, Kamachha, Banaras.	...	Un.
6886	Banerjee, Bhuleshwar	1930	B.Sc. (Banaras—'50) M.Sc. Geophysics, (Banaras—'54)	...	Pres.— D 52/39, Luxmi Kund, Banaras. Perm.—C/o Jan Sewak Bhandar, Godhowlia, Banaras.	...	Un.
6887	Bhagwan Das,	1929	B.Sc. (Banaras—'49) M.Sc. (Patna—'51)	...	Pres.— C/o B. Bahadur Ram, Moh. Dhamitolla, Gaya. Perm.— Do.	...	Un.
6888	Bhattacharyya, Tarun Kumar.	1923	M.Sc. (Calcutta—'46) F.G.M.S. (India)	Since 1947 engaged in teaching geology, doing research on radioactive minerals.	Pres.—College of Engg. & Technology, Jadavpur, Calcutta 32. Perm.— 14F/B, Raja Dinendra Street, Calcutta 5.	Lecturer in Geology.	TR-NG.
6889	Bhimasankaram, Venulakshminarayana Subrahmanyam.	1931	B.Sc. (Andhra—'49) M.Sc. Geophysics, (Andhra—'51)	...	Pres.—Andhra University, Waltair. Perm.— Satyaprasad, Waltair.	Research Scholar.	R-S.
6890	Bhol Nath.	1922	B.Sc. (Banaras—'46) M.Sc. (Patna—'48) M.G.M.S. (India)	Besides teaching work, engaged in prospecting & mapping the unsurveyed area of Gaya district and also working on the fossils of Baripada beds of Mayurbhanj district.	Pres.— Science College, Patna. Perm.— Nadraganj, Malahati, Gaya.	Asstt. Prof. of Geology.	TR-G.
6891	Bindu, Madhava, S.T.G.	1931	B.Sc. Hons. (Andhra —'51)	...	Pres.—C/o K. Saringsapani, 85, T.P. Civil Street, Triplicane, Madras. Perm.— P.O. Chittigundur, Kistna.	...	Un.

## GEOLOGY &amp; MINERALOGY—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6892	Bishnoi, Bhupendra Singh.	1927	B.Sc. (Banaras—'47) M.Sc. (Banaras—'51)	Doing research work on the problem 'Puzzolanes in India'.	Pres.—Dept. of Geology, Banaras Hindu University, Banaras 5. Perm.—Vill. & P.O. Mohammedpur Deonar, Distt. Bijnor.	Research Scholar.	R-S.
6893	Chakravarti, Bankim Chandra.	1918	B.Sc. Hons. (Calcutta—'34) M.Sc. (Calcutta—'36) M.G.M.I. (India) F.G.M.S. (India) M.I.M. (India)	Exploration, mining and beneficiation of bauxite, gypsum, lead & zinc ores. Published papers on 'Blending of coals' and geological survey and prospecting of coal in different areas.	Pres.—Metal Corporation of India Ltd., 10, Clive Row, Calcutta. Perm.—Do.	Executive Officer.	STA-I.
6894	Chakravarti, Rajagopalan.	1917	B.Sc. (Banaras—'38) M.Sc. (Banaras—'40)	Since 1940 engaged in teaching geology, now to B.Sc. classes and guiding research; published papers on charnockites.	Pres.—Alagappa College, Karaikudi. Perm.—Do.	Prof. & Head of the Dept. of Geology.	TR-NG.
6895	Charlu, Tarimela Gopala Krishna.	1924	B.Sc. (Mysore—'42) B.Sc. Hons. (Mysore—'44) M.Sc. Petrology. (Mysore—'46) Ph.D. Petrology. (London—'48) D.I.C. (London—'48) F.G.S. (London) Fellow of Mineralogical Soc. (London)	Compilation of data regarding mineral resources in India.	Pres.—Planning Commission, Rashtrapati Bhavan, New Delhi. Perm.—491, IX Cross Road, Bangalore 3.	Research Officer.	STA-G.
6896	Chatterji, Deb Kumar	1922	B.Sc. (Osmania—'43) A.G.M.S. (India)	...	Pres.—Geological Survey of India, Hyderabad House, Civil Lines, Nagpur. Perm.—Geological Survey of India, 27, Chowringhee, Calcutta 13.	Asstt. Geologist.	STO-G.
6897	Chaubey, Dush Nath.	1928	B.Sc. (Banaras—'50) M.Sc. (Banaras—'52)	...	Pres.—23E, Baird Road, New Delhi. Perm.—C/o Pt. Tulsi Chaubey, Vill. Khagwal, P.O. Chandauli, Distt. Banaras.	...	Un.
6898	Chhatwal, Randhir Singh.	1929	B.Sc. (Banaras—'49) M.Sc. Geophysics. (Banaras—'51)	...	Pres.—C/o S. Jagat Singh, 1, Mutiny Memorial Road, New Delhi. Perm.—Do.	...	Un.
6899	Chitnis, Vasant Gopal.	1929	M.Sc. (Banaras—'52)	...	Pres.—C/o G.B. Chitnis, Chitnis Goth, Lashkar City, Gwalior. Perm.—Do.	...	Un.
6900	Chourasia, Chandrakishor.	1929	B.Sc. (Nagpur—'50) M.Sc. (Nagpur—'52)	...	Pres.—C/o N.P. Chourasia, Dharaspeth, Nagpur. Perm.—Do.	...	Un.

## GEOLOGY &amp; MINERALOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6901	Damle, Gajanan Vyanktesh.	1926	M.Sc. (Banaras—'51)	...	Pres.—Dept. of Geology, M.B. College, Udaipur. Perm.— Bhupalpura, Udaipur.	Lecturer in (Geology).	T-
6902	Dayal, Prem Shanker	1931	B.Sc. (Patna—'50) M.Sc. (Patna—'52) M.G.M.S (India)	...	Pres.—Tharpakarna, Ran- chi, Bihar Perm.— Do.	...	...
6903	D'costa, Sebastian Agapito	1930	B.Sc. Hons. (Bombay —'51)	..	Pres.—42, Morland Road, Byculla, Bombay 8 Perm.— Ruby Terrace, Top Floor, Barrack Road, Bombay 1.	...	Un.
6904	Deshpande, Gunaker Gunwatrao.	1930	B.Sc. (Nagpur—'50) M.Sc. (Nagpur—'52)	...	Pres.—C/o V.N. Alekar, New Shukrawari, Nag- pur 2. Perm.— C/o G.H. Desh- pande, Watkhed, P.O Babhlugaon, District Yeotmal.	...	Un.
6905	Doraiswamy, M.B.	1909	B.Sc Hons. (Mysore —'34) F.G.S. (London)	15 years experience in prospecting & mining of clay, limestone, etc., published papers related to mineral prospecting	Pres.—Bhadigund Mines, P.O. Bhadravati. Perm.— No. 5, D.H. Blocks, New Colony, Bhadravati.	Mines Fore- man.	STO-I.
6906	Dowie, Paul G.	1909	B.A. Hons. (Madras —'31) M.A. (Madras—'33) L.T. (Madras—'34) Dip. in Geography (Madras—'37) M.Sc (Chicago, U.S.A. —'42) Ph.D. (Chicago, U.S.A.) F.G.S. (London)	14 years in teaching geology and 8 years in economic geology, speci- cialization in pure mineralogy, crystal measurement, practical field geology and eco- nomic geology, publish- ed papers on muscovite deposits in India, and geology of southern India	Pres.—M/s Parry & Co. Ltd., P.B No 12, Mad- ras. Perm.— 'Hermon', 35, Vengu Pillai Street, Egmore, Madras.	Chief Geolo- gist.	STO-I.
6907	Ganapathy, Mandepanda Appachu (Major)	1918	B.A.	12 years experience in topographical surveys.	Pres.—No. 3, Field Sur- vey Coy. Engrs, C/o G S G S, Army H Q, New Delhi. Perm.—Hill Road, Mer- cara, Coorg.	Officer Com- manding.	STO-G.
6908	Govinda Rajulu, B.V	1925	M.Sc spl. Petrology. (Mysore—'50)	...	Pres.—Central College, Bangalore 1. Perm.— Do.	Lecturer in (Geology).	T-G.
6909	Hunday, Amal San- kar Lal Singha.	1925	B.Sc. Hons. (Calcutta —'49) M.Sc. (Calcutta—'46) A.G.M.S. (India)	Carrying out geological & mineral investigations in different parts of India.	Pres.—Geological Survey of India, 27, Chowrin- ghee, Calcutta. Perm.— Vill & P.O. Ukhra, Distt. Burdwan.	Asstt. Geolo- gist.	STO-G
6910	Jagannaten, Chakra- varthy Ramabhadra- chari.	1924	B.Sc. Hons. (Madras —'44) F.G.M.S. (India)	Since 1945 engaged in geological mapping & prospecting for oil.	Pres.— Assam Oil Co. Ltd., Digboi, Assam. Perm.— Do.	Geologist.	STO-I.

## GEOLOGY &amp; MINERALOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6911	Jagtap, Prahlad Namdeo Rao.	...	B.Sc. (Saugor—'50) M.Sc. (Saugor—'52)	Doing research on petro- logical problems for Ph.D. degree.	Pres.— Department of Geology, University of Saugor, Saugor. Perm.—P.O. Manikwada, Distt. Yeotmal, Berar.	Research Scho- lar.	R-S.
6912	Jain, Niranjan Kumar.	1929	B.Sc. (Banaras—'44) A.M.G.I. (India) F.G.M.S (India)	8½ years work on mining of mica & allied mine- rals.	Pres.—C/o Duduwala & Co., Bhilwara, Rajas- than. Perm.—C/o Munshimal Deepchand, Bazar Har- sarandas, Saharanpur.	Geologist & Mining En- gineer.	...
6913	Jangpangi, Bala Singh	1929	B.Sc. (Lucknow—'50) M.Sc. (Lucknow—'52)	...	Pres.— Johar Bhawan, Narain Tewari Dewal, Almora. Perm.— Do.	...	Un.
6914	Kailasam, Lakshmi Narayan.	1921	M.Sc. (Calcutta—'43) M.S. Geophysics (St. Louis, U.S.A. —'52) A M G.I. (India)	Since 1946 working in the field of exploration and geophysics, publish- ed papers on the same	Pres.— Geological Survey of India, 27, Chowrin- ghee Road, Calcutta 18. Perm — Do	Asstt. Geo- physicist.	STO-G.
6915	Kalekar, Shantaram Baburao	1929	B.Sc Hons. (Bombay —'48) M.Sc. (Bombay—'61)	For 4 years worked as Demonstrator in geo- logy.	Pres.— Avasia House, Darabshah Road, Cum- balle Hill, Bombay 26. Perm.— Do.	...	Un.
6916	Kalyan Das.	1925	M.Sc. (Banaras—'48)	...	Pres.— D.A.V. Inter College, Banaras. Perm — K 38/9, Bare Maharaj Ka Mandi, Banaras.	Lecturer in Chemistry.	T-NG.
6917	Kasthuri, Athur Krishnaswamy.	1925	B.Sc. Hons (Madras —'44) M.Sc (Madras—'51) F.G.S (London) F.G.M.S. (India) M.M.G.I. (India)	Since 1945 teaching honours & postgraduate classes and conducting research for Ph.D. degree. Experience in palaeontology, inverte- brate & stratigraphy	Pres.— 20, Brahmin Street, Madras 15. Perm.— Do.	Asstt Prof. of Geology.	TR-G.
6918	Khatri, Krishna Prasad.	1926	B.Sc (Banaras—'48) M.Sc. (Banaras—'52)	Doing research in econo- mic geology.	Pres.— Banaras Hindu University, Banaras. Perm.— C/o B. Guru Charan Prasad, CK 6/24, Gola Gali, Chowk, Bana- ras City	Research Scho- lar.	R-S.
6919	Krishna Das, N.	1930	B.Sc. (Banaras—'50) M.Sc. (Banaras—'52)	...	Pres.—O/o K.N. Pillai, 93 H6, O.O. Road, Jamshedpur. Perm —C/o K.N. Pillai, Kaveruttumee, Fort Mavelikara, Travancore.	...	Un.
6920	Krishnamoorthy, Haravu Srinivasa	1897	B.Sc. (Mysore—'21) F.G.M.S. (India)	Experience in prospecting for coal, gold & iron and investigation for drinking water & sink- ing of wells. Published a manual on ground water & well sinking.	Pres.— Well Sinking Dept., Khashana Build- ings, Hyderabad. Perm.—1240, Abid Road, Hyderabad.	Sr. Geologist.	STO-G.

## GEOLOGY &amp; MINERALOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6921	Krishnamurthy, M.D.	1931	B.Sc. Hons. (Madras—'52)	...	Pres.—23, Ponnuswamy Naicker Street, Srinivasapuram, Madras 14 Perm.— Do.	...	Un.
6922	Krishnaswamy, D.S.	1929	B.Sc. Hons. (Mysore—'50) M.Sc. (Mysore—'52)	...	Pres.—C/o B. Krishna-moorthy, Asstt. Controller of Accounts, TISCO, Tatanagar. Perm.— C/o Dr. D.V. Subbarao, Asstt. Surgeon, Civil Hospital, P.O. Robertsonpet.	..	Un
6923	Krishnaswamy, Kizan-natham Venkata-raghavan.	1921	B.Sc. Hons. (Madras—'42)	5 years of teaching geology to degree classes.	Pres.— Department of Geology, Alagappa College, Ramanathapuram. Perm.—C/o Sri K. Venkataraghavan, Sri Krishna Gardens, Alleppey.	Lecturer.	T-N.
6924	Kumar, Mohun.	1919	B.Sc Hons. (Calcutta—'39) F.G.M.S. (India)	Metalliferous ores mining and prospecting.	Pres.— P.O. Chaibasa, Singbhum. Perm.— Do.	Dealer in Minerals & Timbers.	STO-P
6925	Lahiri, Chandra Kanak	1919	B.Sc. Hons. (Calcutta—'48) Training in Mining Engg. (Banaras) A.M.G.I. (India) F.G.M.S. (India)	9 years work on coal geology, coal petrology and survey of physical & chemical nature of coal in India. Published papers on structural geology & coal petrology.	Pres.— Central India Coal Survey Station, O/o Fuel Research Institute, P.O. Jealgora, Distt. Manbhum, Bihar Perm.— Do.	Coal Petrologist & Officer-in-Charge,	STO-G
6926	Lakshminarasimhiah, Mysore Suryanarappa.	1926	B.Sc. (Mysore—'49)	3 years work in mining & milling of gold ores.	Pres.—Bellara Gold Mines, Distt. Tumkur, Mysore Perm.— 1462, Krishna-murthy Puram, Mysore.	Foreman	STO-G.
6927	Lal, Satish Kumar.	1930	B.Sc. (Patna—'50) M.Sc. (Patna—'52) A.G.M.S. (India)	...	Pres.— O/o Jai Bihari Lal, Pleader, Swami Shraddhanand Road, Ranchi. Perm.— Do.	.	Un.
6928	Lele, Mukund. Keshava	1931	B.Sc. (Banaras—'40) M.Sc. (Banaras—'51)	Working in stratigraphy & paleobotany of south Rewa gondwanas.	Pres.—B. Sahni Inst. of Paleobotany, 53, University Road, Lucknow Perm.—K28/13, Durgaghat, Banaras	Research Scholar.	R-S.
6929	Lokras, Kashinath Vaijnath.	1931	M.Sc. (Saugor—'53)	...	Pres.—191, Gol Bazar, Jabalpur. Perm.— Do.	...	Un
6930	Mallikarjunappa, Nagaval Mallanna.	1910	B.Sc. (Mysore—'33) F.G.S (London)	14 years experience in mineral survey, prospecting & mining and their development.	Pres.—Mysore Geological Dept., High Grounds, Bangalore 1. Perm.— Do.	Geologist.	STO-G
6931	Mehrotra, Maharanj Narain.	1928	B.Sc. (Banaras—'49) M.Sc. (Banaras—'51) M.G.M.S (India)	Doing research work in petrology and teaching geology.	Pres.— Banaras Hindu University, Banaras. Perm.—O/o K.N. Mehrotra, Khattriyan Street, Kashipur.	Lecturer in Geology	TR-SG

## GEOLOGY &amp; MINERALOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6932	Mehta, Kailash Nath.	1928	B.Sc. (Punjab—'45) A.G.M.S. (India)	Engaged in the study of foraminifera for general correlation of mesozoic & tertiary rocks and correlation of subsurface rocks.	Pres.— Assam Oil Co. Ltd., Digboi, Assam. Perm.— C/o Dr. Amat Chand Mehta, 95, Khurbara Mohalla, Dehra Dun.	Asstt. Palaeontologist.	STO-I.
6933	Menon, Thyloth Sudhakara.	...	M.Sc. (Banaras—'37)	For 6 years worked as State Geologist, Cochin, and for 3 years as Director of Industries, Cochin.	Pres.—Ernakulam. Perm.—Sudha Bhavan, Ernakulam.	Asstt. Director of Industries.	STO-G.
6934	Mishra, Chandra. Girish	1927	B.Sc. (Banaras—'49) M.Sc. (Banaras—'51)	Teaching engineering geology & engineering chemistry to engineering students.	Pres.—Mugneeram Bangur Memorial Engg. College, Jodhpur. Perm.— C/o G.P. Misra, Civil Lines, Hoshangabad.	Professor of Geology & Chemistry.	T-NG.
6935	Mishra, Harekant.	1918	B.A. (Patna—'40) F.G.M.S (India)	Metal & mica mining.	Pres.— C/o Chattaram Horiram Ltd., P.O. Jhumri Telaiya, Hazaribagh. Perm.— Vill. Tarouni, P.O. Sakri, Distt. Darbhanga.	Mines Agent.	STO-I.
6936	Mittal, Chandra. Navin	1896	B.Sc. (Punjab—'20) M.M.G.I. (India)	Over 30 years experience in teaching geology, published books on geology & mineralogy.	Pres.— Near G.P.O., Jammu. Perm.— Do.	...	Retd.
6937	Mohamed Ghouse	1925	B.Sc. (Mysore—'48)	Engaged in geological & mineral survey, mineral prospecting and mining.	Pres.—The Geological Dept., Race Course Road, Bangalore 1. Perm.— Do.	Asstt. Geologist.	STO-G.
6938	Mudaliar, Shivaguru Damodar.	1928	B.Sc. Hons. (Poona—'50) M.Sc. (Banaras—'52) A.M.G.I. (India)	Doing prospecting work for mica, manganese & beryl.	Pres.—M/s. Chandra & Murti Co., Consulting Mining Engineers, Udaipur. Perm.— C/o C. Jayavelu Mudaliar, 506/8, Old Bazar, Kirkee, Poona 8.	...	Un.
6939	Mudkey, Kamalakar Ramchandra.	1931	B.Sc. (Poona—'52)	...	Pres.— Anand Bhawan, Sathwara Was, Vijapur, Distt. Mehsana. Perm.— Room No. A/5, O.P.W.D. Quarters, P.O. Aerodrome, Bombay 29.	...	Un.
6940	Munipape, Gowda Y.V.	1924	B.Sc. Hons. (Mysore—'51)	Engaged in mineral survey work.	Pres.—Camp Lakkhalli, P.O. Vanivilasapura, Hiriyur, Distt. Chitaldrug. Perm.—Mysore Geological Dept., Race Course Road, Bangalore.	Asstt. Geologist.	STO-G.
6941	Nedkarji, Gajanan Narayan.	1932	B.Sc. Hons. (Poona—'52)	...	Pres.—C/o T.M. Telang, New India Assurance Co. Ltd., Bombay 1. Perm.— 2, Martand Chowk, Indore City.	...	Un.

## GEOLOGY &amp; MINERALOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6943	Narasimhamurty, Pillalamarri.	1928	B.Sc. (Andhra—'49) M.Sc. Geophysics. (Andhra—'52)	...	Pres.—C/o P. Balakrishna Sastry, Angala Kuduru Road, P.O. Morrispet, Tenali, Distt Guntur Perm — Do.	...	Un.
6943	Natarajan, Narayana- swamy.	1925	B.Sc. Hons. (Madras)	...	Pres—Alagappa College, Karikudi, District Ramnad Perm.— C/o Prof. V Narayanaswami, 14, Sakaji Naicker Street, Kumbakonam, District Tanjore.	Lecturer in T-NG. (Geology.)	
6944	Neogi, Hirendra Nath.	1921	M.Sc. (Calcutta—'46) A.G.M.S. (India)	Mining & prospecting for minerals.	Pres.—Mines & Power Branch, Commerce & Industries Dept., West Bengal, Calcutta. Perm.— 18/1, Netherbagan Street, Calcutta 5	Investigating Officer	STO-G.
6945	Netarwala, Minoo P.	1918	B.Sc. Mining. (Banaras—'36) M.Sc. Geol. (Banaras—'39) M.E.M. (Colorado, U.S.A.—'42) Sc.D. Geol. (Massachusetts—'44)	Specialization in economic geology and mining.	Pres.— Banaras Hindu University, Banaras. Perm — Do	Prof & Head of the Dept of Mining.	TR-SG.
6946	Ogale, Balkrishna Yashavant.	1916	B.Sc. (Banaras—'38) M.Sc. (Banaras—'41)	...	Perm.— 623/2A2, Sadasshiv, Deshmukh Wadi, Poona 2.	..	Un.
6947	Panna Lal.	1924	M.Sc. spl. Economic Geology. (Banaras—'51)	...	Pres — C/o Raja Ram, Sutherland House, Kanpur. Perm -C/o Sri R.K. Das, Chief Inspector, Water Works, Banaras.	...	Un.
6948	Pant, Shrish Chandra.	1930	B.Sc. (Lucknow—'50) M.Sc. (Lucknow—'52)	...	Pres.— C/o Pt K.W. Pant, Valdyा, D.B. Rasayana shala, Chaudharykhola, Almora. Perm.— Do	..	Un.
6949	Paramasivan, Tinne- vally Subbiah Pillai.	1929	B.Sc. Hons. (Madras—'50)	...	Pres.— College of Engg., Kakinada Perm — Do.	Asstt. Lecturer in Geology	
6950	Partheswaradhi, Kohi- paka.	1930	B.Sc (Andhra—'49) B.Sc. Hons. (Andhra—'52)	...	Pres — 8/1756, Official Colony, P.O. Maharanipeta, Visakhapatnam. Perm — Do.	...	Un.
6951	Pathak, Shankerlal Kripashanker.	1899	B.A. Hons. (1921) B.Sc. (Baroda—'22) B.Sc. (Bombay—'36)	28 years experience in teaching chemistry & geology.	Pres—B.V.M. Engg. College, Vallabh Vidyanagar, Anand. Perm — P 22, Vallabh Vidyanagar, via Anand	Lecturer in T-NG. Geology & Chemistry.	T-NG.

## GEOLOGY &amp; MINERALOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6952	Paulose, G.V.	1918	B.A. (Madras—'39) B.Sc. (Madras—'41) L.T. (Travancore—'44)	8 years work in survey & research on economic & strategic minerals. Published papers on 'Radio-active columite in Travancore'.	Pres.—Mysore Geological Dept., Bangalore. Perm.— Research Asstt. to the Director of Mineral Survey & Research, Central Research Inst., University of Travancore, Trivandrum.	Research Scholar.	R-S.
6953	Ramana, Venkata, Eranki	1929	B.Sc. (Andhra—'50) M.Sc. Geophysics. (Andhra—'52)	Doing research for D.Sc. degree.	Pres.— No. 4, Pithapur Hostel, Waltair.	...	R-S.
6954	Ranade, Manohar Shripad.	1925	B.Sc. (Bombay)	...	Pres.— D A. V. College, Sholapur Perm.— C/o S.T. Ranade, Prakash Bungalow, Ferguson College Road, Poona 4.	Demonstrator in Geology.	T-NG.
6955	Rao, C. Gopalaswamy.	1924	B.Sc. Hons. (Mysore —'46) M.Sc. (Mysore —'47)	8 years work in geological & mineral survey.	Pres.—Mysore Geological Dept., Bangalore. Perm.— 1099, I Cross Road, Srirampuram, Bangalore.	Asstt. Geologist.	STO-G
6956	Rao, Chatty Narasimha.	1931	B.Sc. Hons. (Andhra —'51) M.Sc. (Andhra—'58)	...	Pres.—C/o Dr. C. Ramanapantulu, Ramarao-peta, Kakinada, Distt. East Godavari. Perm.— Do.	...	Un.
6957	Rao, Gadepalli Nageswara	1924	B.Sc. (Andhra—'44) B.Sc. Hons. (Andhra —'49)	Worked in prospecting for barytes, limestone and iron & manganese ores.	Pres.—C/o Dr. G. Suryanarayana Murty, Tenuku, Distt. W. Godavary. Perm.— Do.	...	Un.
6958	Rao, Katrapati Lakshmi Narasimha.	...	B.Sc. Hons (Andhra —'62)	Doing research for M.Sc. degree.	Pres.— Andhra University, Waltair. Perm.—C/o K.S. Chelapatni Rao, XIV Line, Arundelpet, Guntur.	Research Scholar.	R-S.
6959	Rao, M.S.R. Prabakar.	1931	B.Sc. Hons. (Andhra —'52)	...	Pres.— C/o Mahipala Ramanna, Kovvur, Distt. West Godavari. Perm.— Do.	...	Un.
6960	Rao, Nallari Panduranga.	1901	B.Sc. (Mysore—'27)	Prospecting & mining of chrome & iron ores, bauxite and kaolin; published notes on the same.	Pres.— Bellara Gold Mines, Bellara. Perm.—Mysore Geological Dept., Bangalore.	Supdt.	STO-G.
6961	Rao, Nandivada Bhimsa	1931	B.Sc. Hons (Andhra —'51)	...	Pres.— C/o N. Rajarao, Kovvur, Distt. West Godavari. Perm.— Do.	...	Un.
6962	Rao, Ramohalli Narasimhamurthy.	1907	B.A. Geology. (Mysore —'29)	Carried out mineralogical survey in Kathiawad & Cutch.	Pres.— The Mysore Stoneware Pipes & Pottery Ltd., P.O. Chikbanavar. Perm.— Do.	Works Manager.	STO-I.

## GEOLOGY &amp; MINERALOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6963	Rao, Tadikonda Seshagiri.	1928	B.Sc. (Andhra—'47) A.I.S.M. Appl. Geol. (Dhanbad—'52)	...	Pres.—C/o T. Sitarama-swamy, 3rd Line, Brodipet, Guntur. Perm.— Do.	...	Un.
6964	Roy, Amalendu.	1924	B.Sc. Hons. Phys. (Calcutta—'44) M.Sc. Phys. (Dacca—'46) B.Sc. Geol. (Calcutta—'49) M.S. Geophysics (Colorado, U.S.A.—'52)	Since 1947 engaged in geophysical exploration.	Pres.—Geophysical Party, P.O. Ramtek, Distt. Nagpur. Perm.— Geophysical Section, Geological Survey of India, 27, Chowringhee Road, Calcutta 13	Asstt. Geophysicist.	STO-G
6965	Sampath Kumaran, M.L.	1931	B.Sc. Hons. (Madras—'52)	...	Pres -- 13, Big Street, Triplicane, Madras 5. Perm.— Do.	...	Un.
6966	Sastri, Vedula Lakshminarayana.	1930	M.Sc. Geophysics. (Andhra—'52)	Doing research for D.Sc. degree in geophysics.	Pres.— Kondachakarpalli, P.O. Narayana-puram, via Bobbili, Distt. Srikakulam. Perm.— Pithapuram Hostel, A.V. Hostels, Waltair	...	R-S.
6967	Satyanarayana, Kolaluru.	1899	B.A. Chem. (Madras—'20) F.G. M.S. (India)	For the last 10 years engaged in analysis, mining and marketing of manganese, mica and graphite.	Pres.—The Jeypore Mining Syndicate Ltd., Rayaghade, Distt. Koraput. Perm.— Do.	Chemist & Geologist	STO-I.
6968	Sen, Dipali Moy.	1924	B.Sc. Mining. (Banaras—'46)	Engaged in exploration, estimation and valuation of mineral deposits	Pres.—Geological Survey of India, 27, Chowringhee Road, Calcutta 13. Perm.— C/o K.N. Sen, U.P. Tannery, Kaupur.	Asstt. Geologist	STO-G.
6969	Seth, Naresh Narain.	1931	B.Sc. (Lucknow—'50) M.Sc. (Lucknow—'52)	...	Pres.—C/o Sri J.N. Seth, Vakil, Khyalganj, Lucknow. Perm.— Do.	...	Un.
6970	Sharma, Ram Shanker.	1931	B.Sc. (Lucknow—'48) M.Sc. (Lucknow—'50)	...	Pres.—K.C. Dey Lane, Sunderbagh, Lucknow Perm.— Do	Research Scholar.	R-S.
6971	Singh, Anjani Kumar.	1928	B.Sc. (Patna—'49) M.Sc. (Patna—'51)	...	Pres.—Room No. 29, Old Law College Hostel, P.O. Mahendra, Patna 6 Perm — C/o Akbar Singh, Raj Kumar Singh, Advocate, Ranchi	...	...
6972	Singh, Vishwa Nath.	1925	B.Sc. (Banaras—'47) M.Sc. (Punjab—'49)	Conducting research and teaching geology upto M.Sc class.	Pres.— Science College, Patna. Perm — Vill. & P.O. Narsinghpur, Distt. Balia, U.P.	Asstt. Prof. of Geology.	TR-G.

## GEOLOGY &amp; MINERALOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6973	Sinha, Arun Kumar.	1918	A.I.S.M. (Dhanbad —'39) F.G.M.S. (India)	11 years work in prospecting of coal, bauxite & iron ore, now for gypsum in Rajasthan.	Pres.— Gypsum Development Office, Road No. 9, Sardarpura, Jodhpur. Perm.— 8/318, Gouri Bar Lane, Calcutta 4.	Asstt. Geologist	STO-I.
6974	Sinha, Gupteshwar Nath.	1932	B.Sc. (Patna—'50) M.Sc. (Patna—'58)	...	Pres.— O/o Radha Mohan Rd. Srivastava, Jakkanpur, Patna 1. Perm.— Do.	...	Un.
6975	Sivaprasad, Goparaju.	1922	B.Sc. Geol. (Andhra —'44)	Mining of limestone.	Pres.— M/s A.O.C. Ltd., Chaitanya Cement Works, Jhinkpani Perm.— 7/171, Bhramaya Nivas, P.O. Mahoram-peta, Distt. Vizag.	Asstt. Quarry Manager	STO-I.
6976	Srinivasa Iyengar, Tumkur Krishna Iyengar.	1922	B.Sc. Hons. (Mysore —'44), M.Sc. spl. Petrology. (Mysore)	Prospecting & mining, published a paper on structure and optical behaviour of moonstones.	Pres.— Raman Research Institute, P.O. Hebbal, Bangalore 6. Perm.— O/o Sri K.S. Ramaswami, 3035, J Main Road, P.O. Vanivilas Mohalla, Mysore.	Sr. Research Scholar in Mineralogy.	R-S.
6977	Srivastava, Daya	1928	B.Sc. (Banaras—'49) M.Sc. (Banaras—'51)	...	Pres.— Vill. & P.O. Amila Bazar, District Azamgarh, U.P. Perm — Do.	...	Un.
6978	Srivastava, Shyam Behari Lal.	1929	B.Sc. (Banaras—'49) M.Sc. (Banaras—'51) A.G.M.S. (India)	Engaged in prospecting for minerals.	Pres.— Dept. of Mines & Geology, Government of Rajasthan, Jaipur. Perm.— Vill. & P.O. Maniar, Distt. Ballia, U.P.	Mines Foreman.	STO-G.
6979	Srivastava, Suresh Prasad.	1926	B.Sc. (Lucknow—'46) M.Sc. (Lucknow—'48) F.G.M.S. (India)	Worked for 3 years in teaching geology to B.Sc. Pass & Honours classes.	Pres.— C/o Ganesh Prasad, Advocate, Ganesh Ganj, Lucknow. Perm.— Do.	...	Un.
6980	Subbaraman, Jyothi-nagaram Venkata-swamy Chetty.	1929	B.Sc. (Mysore—'51) M.Sc. (Banaras—'53) M.G.M.S. (India)	...	Pres.— C/o Post Box No. 2, Robertson Pet, K.G.F., Mysore State. Perm.— Do	...	Un.
6981	Subramonia Iyer, Ganesh Iyer.	1931	B.Sc. (Madras—'51)	...	Pres.— Dr. Alagappa Chettiar College, Karai-kudi, Distt. Ramanad. Perm— Single Street, Pubyoorkurichy, P.O. Thuckalay, S Travancore.	Demonstrator in Geology.	T-NG.
6982	Suryanarayana, K.	1930	B.Sc. Hons. (Andhra —'60) M.Sc. (Andhra—'51)	Doing research in palaeobotany—stratigraphical problems.	Pres.— Birbal Sahni Inst. of Palaeobotany, Lucknow. Perm.— Vemur, via Tena-H, Distt. Guntur.	Research Scholar.	R-S.

## GEOLOGY &amp; MINERALOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6983	Tiwari, Banshidhar.	1922	M.Sc. (Banaras—'47) M.G.M.S. (India)	...	Pres.—Dept. of Geology, Banaras Hindu Uni- versity, Banaras, Perm — Hussainpur, Ghazipur, U.P.	Lecturer in Geology.	T-SG.
6984	Vaidyanathan, Raja- gopala.	1931	B.Sc. Hons. (Andhra —'52)	...	Pres.— No 66, I A T.O. Ridges., A U Hostels, Waltair. Perm.— C/o R. Subra- manian, Vaibhavi Pic- tures Ltd., Governorpet, Vijayawada.	...	Un.
6985	Verma, Raghu Jee.	1923	M.Sc. (Patna—'48) F.G.M.S. (India) M.M.G.I. (India)	Also doing research in petrography.	Pres.— Ranchi College, Ranchi. Perm.— Vill Chilbilla, P.O. Akorbi, District Shahabad.	Head of the Dept. of Geo- logy.	T-G.
6986	Viswanathiah, Mysore Nanjappa.	1924	B.Sc. Hons. (Mysore —'46) M.Sc. (Mysore—'50)	Teaching geology to B.Sc. Pass & Honours classes.	Pres.—Dept. of Geology, Central College, Ban- galore 1. Perm.— Do.	Lecturer in Geology.	T-G.



# METALLURGY

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6987	Agarwal, Krishna Das.	1918	B.Sc. Met. (Banaras —'40)	Inspection of iron, steel castings, ferrous & non-ferrous rolled products & other service stores and allied metallurgical problems and heat treatment of metals.	Pres.—Technical Development Establishment (Met.), P.O. Ichapur-Nawabganj, 24 Paraganas, West Bengal Perm.— 3/325, Shivala Road, P.O. Shivala, Banaras City.	Asstt. Supdt. of Develop-ment.	STO-G.
6988	Anaudan, Thaliyaron Vayalambrou.	1917	B.A. (Madras—'38) L.I.M. (London)	13 years experience in melting, casting of metals and rolling of non-ferrous metals & alloys.	Pres.—Ordnance Factory, Katni. Perm.—Cherumana, P.O. Eravuholi, N. Malabar.	Foreman.	STO-G
6989	Anant Ram, K.R.	1924	B.Sc. Met. (Banaras —'49)	Working on the heat treatment of metals & alloys.	Pres.— Chittaranjan Locomotive Works, Chittaranjan. Perm.— C/o K.V. Ram-nath, 8, E Road, Jam-shedpur.	Chargeman.	STO-G.
6990	Aujaneyulu, Nadim-palli.	1910	B.A. (Andhra—'31) B.Sc. Met. (Banaras —'35) Dr. Ing. Met. (Germany—'38) F.I.M. (London) A.M.I.E. (India)	Metallurgical inspection, research and development of metallic materials used by the Defence Department.	Pres.—Technical Development Establishment (Met.), Ishapore, West Bengal. Perm.— Do.	Supdt.	STA-G
6991	Arora, Gulab Chandra.	1928	B.Sc. Met. (Banaras —'52)	...	Pres.—7/S, Palta Park, P.O. Ichapur-Nawab-ganj, W. Bengal Perm.— 400, Naya Bana, Delhi.	...	Appr
6992	Asthana, Suresh Narayan.	1932	B.Sc. Met. Engg.	Carrying research on the modified aluminothermic reduction of tin and similar elements.	Pres.—T. Bhagwan Das Hostel, Banaras 5. Perm. C/o B. Lakshmi Narayan, Vill. Sahiour, P.O. Sakara, Distt. Saran, Bihar.	Jr. Research Assistant.	R-SG.
6993	Athawale, Aravind Madhusudan.	1927	B.Sc. Hons. (Bombay —'48) B.E. Met. (Poona—'52)	...	Pres.— Krishna Steel Industries Ltd , Antop Hill, Wadala, Bombay 19. Perm.—374, Shukrawar Peth, Poona 2.	Metallurgist.	STO-I.
6994	Bajpai, Narain. Swarup	1926	B.Sc. Met. (Banaras —'48)	Worked for 2½ years in treatment & refining of non-ferrous residues & iron skimmings and manufacture of metals & alloys.	Pres.—Flat No. 22, 86, Chowringhee Road, Calcutta. Perm.— C/o Bajpai & Sons, Gadarla Mohal, Kaupur.	...	Un.
6995	Balakrishnamurty, Kodavanti.	1938	B.Sc. (Andhra—'50) A.M.I.E.T. Met. (1960)	...	Pres.—C/o K.L. Narayana Garu, Railway New Colony, Waltair Perm.— C/o Sri N. Rama Rao Garu, H6/19, O.C. Road, South Park, Jamshedpur.	...	Un.

## METALLURGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
6996	Banerjee, Ranjan. Chitta	1900	B.Sc. Met. (Banaras —'62)	Working on the development of some suitable materials for the manufacture of gas turbine parts.	Pres.— Dept. of Metallurgy & Chemistry, B.E. College, Howrah. Perm.—D 36/165, Agasta Kunda, Banaras City.	Jr. Scientific Assistant. (C.S.I.R.)	R-S.
6997	Banerjee, Chandra. Sailesh	1912	B.Sc. (Calcutta—'32) M.Sc. Chem. (Dacca —'36)	Metallurgical inspection of ordnance factory production.	Pres.— T.D E. (W), Ordnance Factory, Kalpi Road, Kanpur. Perm.— 11/1D, Gopal Banerjee Lane, Kali-ghat, Calcutta 26.	Chargeman.	STO-I.
6998	Batni, Subbarao Ranganatharao.	1905	B.A. (Mysore—'25) A.I.S.M. (Dhanbad —'30) A.I.M.M. (London) F.G.M.S. (India)	For 20 years worked as Inspector of Mines & Explosives in Mysore Govt. Experience in metal mining especially deep mining problems such as ventilation, ground control, elimination of health hazards, etc.	Pres.— Indian School of Mines & Applied Geology, Dhanbad. Perm.— Do.	Sr. Lecturer in Metalliferous Mining.	T-G.
6999	Bhaskar, Somnath (Lt)	1924	B.Sc. Met. (Banaras —'47)	Worked in the inspection of general stores, textile stores and timber used for the army.	Pres.— E.M.E. School, Trimulgherry, Secunderabad.	Army Officer,	Ucl.
7000	Bhatt, Vishnooprasad Pranshanker.	1927	B.Sc. Met. (Banaras —'50)	Production of plain & alloy carbon steels and special alloy steels by electric steel making process.	Pres.— Krishna Steel Industries, Antop Hill, Wadala, Bombay 19. Perm.— Chokshi Pole, Umreth, Distt Kaira,	Metallurgist.	STO-I.
7001	Bhattacharya, Har- har Prosad.	1916	M.Sc. Inorg. Chem. (Calcutta—'38)	Conducting analytical & metallurgical research, published papers on separation and estimation of niobium, tantalum & titanium.	Pres.— National Metallurgical Laboratory, Jamshedpur. Perm.— Do.	Jr. Scientific Officer.	R-SG.
7002	Bhattacharya, Kallash Nath.	1930	B.Sc. (Agra—'48) B.Sc. Met. (Banaras —'52)	...	Pres.— O/o Mr. K.S. Bhattacharya, Head Post Office, Kanpur. Perm.— Do.	...	Un.
7003	Bhuptani, Dilip- kumar.	1919	B.Sc. Met. (Banaras —'47)	Mineral preparation and coal washing plants.	Pres.— M/s Tata Iron & Steel Co. Ltd., Jamshedpur. Perm.—O/o D.G. Bhuptani, Manager, The United Commercial Bank, Bhadra, Ahmedabad.	Research Asstt.	R-I.
7004	Bose, Mukul Kumar.	1911	B.Sc. (Calcutta—'30) M.Sc. (Calcutta—'32) D.Phil. (Calcutta—'51) F.I.C.S. Received training in the production of metals & alloys. (U.K.)	Analysis, purification and production of metals & alloys, published papers on the analysis of metals and synthetic drugs.	Pres.— Assay Office, I.G. Mint, Bombay. Perm.— 8/2, Shyam Bose Road, Calcutta 27.	Supdt.	STO-G.

## METALLURGY—Contd.

S No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks	
7005	Brahm Prakash.	1912	B.Sc. Hons. (Punjab —'33) M.Sc. Inorg. Chem. (Punjab—'34) Ph.D. Phys. Chem. (Punjab—'42) Sc.D. Met. (Massa- chusetts, U.S.A.—'49)	Specialized in mineral beneficiation & produc- tion metallurgy of non- ferrous metals and alloys, published papers on the same.	Pres.— Indian Inst. of Science, Bangalore 9. Perm.— Do.	Prof. & Head of the Dept. of Metallurgy.	TR-SG.	
7006	Chakrabarti, Sudhir Chandra.	1904	Grad. Tech. Inst. (Jamshedpur—'26)	28 years experience in foundry castings both ferrous & non-ferrous.	Pres.— Sarat Bhawan, 8, Sakchi Highway, Jamshedpur 1. Perm.— Do.	Sr. Metallur- gist.	STO-I.	
7007	Chakravarty, Kha- gendra Nath.	1916	B.Sc. (Calcutta—'35) M.Sc. Appl. Physics. (Calcutta—'37) L.I.M. (London)	Since 1942 engaged in metallurgical inspection of processed ferrous & non-ferrous and refrac- tory materials.	Pres.— Works Inspection Section, Metal & Steel Factory, Isapore. Perm.— 6/1, Ram Mohan Saha Lane, Calcutta 6.	Asstt. Fore- man.	STO-I.	
7008	Chakravarty, Nri- pendra Kumar.	1899	B.Sc. (Calcutta—'21) Dip. in Met. (Jah- shedpur—'24) M.M.G.I. (India)	28 years experience in the operation & con- struction of blast fur- naces for the manufac- ture of pig iron & other iron alloys.	Pres.— Blast Furnaces, The Tata Iron & Steel Co. Ltd., Jamshedpur. Perm.— 4A, Kunjmal Banerjee Road, P.O. Kalighat, Calcutta 26.	Asstt. Supdt.	STO-I.	
7009	Chakravorti, Pabitra Kumar.	1924	B.Sc. (Calcutta—'48)	Working in recovery and refining of lead.	Pres.—C/o Metal Corpora- tion of India Ltd., P.O. Katraigarh. Perm.—C/o R.K. Chakra- vorti, 66, S.N. Road, Bhagalpur.	Metallurgical Assistant.	STO-I.	
7010	Chatterjee, Kumar.	Asit	1926	B.Sc. (Calcutta—'45) B.Met. (Calcutta—'47)	For 2 years worked as Lecturer in Metallurgy, now working on lead smelting & refining.	Pres.—M/s Metal Corpora- tion of India Ltd., P.O. Katraigarh, District Mangbum. Perm.— 97, Brahma Samaj Road, P.O. Beha- la, Calcutta.	Metallurgist.	STO-I.
7011	Chatterjee, Pranab Kumar.	1921	B.Sc. Hons. (Calcutta —'41) B.Met. (Sheffield—'50) M.I.M. (London)	Physical, chemical & metallurgical exami- nation of metals and alloys.	Pres.—C/o T.D.E., Metal- lurgy, P.O. Ichapur- Newabganj, 24 Par- ganas. Perm.— 22, Bhagabati Chatterjee Street, P.O. Belgharia, Distt. 24 Parganas.	Asstt. Supdt. of Development.	STO-I.	
7012	Chattopadhyay, Nitendra Nath.	1919	B.Sc. Met. (Banaras —'49) Dip. Elec. & Mech. Engg. (Jamshedpur)	Supervision of blast furnace operation, con- trol of production & quality of iron and its alloys.	Pres.— Blast Furnaces, Tata Iron & Steel Works, Jamshedpur. Perm.— 20B, Mohim Halder Street, Kalighat, Calcutta 26.	Asstt Blower.	STO-I.	
7013	Chaudhry, Bhupendra Kumar Singh.	1920	B.Sc. Met. (Banaras —'47)	For 4½ years worked as supervisor in a foundry shop.	Pres.—C/o L.K.S. Chau- dhry, 7/135, Satyap Nagar, Kanpur. Perm.— Shiva Raj Bha- van, Banda, U.P.	...	Un.	

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7014	Chauhan, Vimal Deo Singh.	1927	B.Sc. Met. (Banaras —'48)	...	Pres.— Metallurgist Laboratory, Western Railway, Ajmer. Perm.— C/o Dr. Mahabir Singh, Vidhya Bhawan, Lashkar, Gwalior.	Metallurgical Assistant.	STO-G.
7015	Cherian, Kandathil Koshy.	1928	B.Sc. (Madras—'46) B.Sc. Met (Banaras —'60)	Engaged in production of aluminium.	Pres.—Indian Aluminium Co. Ltd., Alwaye, S. India. Perm.—C/o Film Distributing Co., Ernakulam.	Foreman, Grd. A.	STO-I.
7016	Choudhury, Sallendra Mohan.	1907	B.Met. (Jamshedpur —'29)	25 years experience in manufacture of pig iron by blast furnace practice.	Pres.— Blast Furnaces, Tata Iron & Steel Works, Jamshedpur.	Foreman.	STO-I.
7017	Daftary, Chimanlal Mohanlal.	1920	B.Sc. (Bombay—'43) Training in the manufacture of aluminium paste, powder, utensils and processes for fabrication of aluminium.	Production and technique of aluminium paste, powder, utensils and processes for fabrication of aluminium.	Pres.—C/o Jeewanlal (1929) Ltd., 31, Netaji Subhas Road, Calcutta 1. Perm.— Daftary Street, Morvi, Saurashtra.	...	STO-I.
7018	Das, Badri Narayan.	1927	B.Met. (Calcutta—'52)	...	Pres.— C/o Sri Ram Narayan Das, Pulta Pumping Station, P.O. Barrackpore, W Bengal Perm.— 8, Ram Joy Sil Lane, Calcutta 6.	...	Appr.
7019	Davar, Dara Man-chershaw.	1921	B.Sc (Bombay—'46) M.S. Met. Engg. (Illinois—'51)	Working on the heat treatment of ferrous metals.	Pres.—Premier Automobiles, Agra Road, Kurla, Bombay. Perm.—GB, Forjett Cross Street, Bombay 26.	Metallurgist.	STO-I.
7020	Dere, Vasant Anant.	...	B.Sc. Met. (Banaras —'21) A.C.G.I. (London—'21)	Carrying out metallurgical testing & research work.	Pres.— Indian Naval Dockyard, Port Bhamdeep, G. Bombay Perm.— 10/2, Dockyard Housing Colony, Port Bhamdeep, G. Bombay.	Sr. Scientific Assistant	STO-G.
7021	Devi Sahai.	1914	B.Sc. (Delhi—'33) A.M.I.P.E. (London) L.I.M. (London) A.M.I.Brit.F.	Manufacture of quality steel by open hearth and electric arc processes	Pres.—Ordnance Factory, Kalpi Road, Kanpur. Perm.— Madras House, 67, Daryaganj, Delhi.	Foreman.	STO-I.
7022	Dhar, Sushil Kumar.	1919	B.Sc. (Patna) L.I.M. (London) A.M.G.I (India)	Rolling and fabrication of non-ferrous metals.	Pres.—Ordnance Factory, Ambarnath. Perm.—C/o S.L. Dhar, Monghyr Road, P.O. Jamalpur.	Asstt. Foreman.	STO-G.
7023	Dinesh (Capt.) Chandra.	1929	B.Sc. Met. (Banaras —'43) A.M.I.E. (India)	Manufacture of steel & steel equipment.	Pres—Equipment Workshop, (EME), P.O. ESD (M), Kankinara, 24 Parganas. Perm.— Dharm Niwas, Bulandshahr, U.P.	Engr.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7024	Doshi, Chhotalal Keshavji.	1907	B.Sc. Met. (Banaras —'33) A.G.M.S. (India)	(i) Production of aluminium & brasswares which includes castings, sheet metal containers and cooking utensils (ii) non-ferrous foundry (iii) fabrication of varieties of boilers and containers and such equipment for chemical plants (iv) drawing & pressing of sheet metals	Pres.—C/o Crown Aluminium Works, 26, Patel Tank Road, Bombay 12. Perm.—O/o Doshi Keshavji Manekchand, Lathi, Saurashtra.	Asstt. Works Manager.	STO-I.
7025	Gandhi, Indoo Nagardas,	1908	B.Sc. Met. (Banaras —'33) M.I.S.I. (London)	For 19 years worked in the production and operation of large iron & steel plants, electric furnaces and rolling mills. Now engaged in selling of metallurgical plants, railway rolling stock equipment, machinery for irrigation, sugar, cement, etc.	Pres.—Associated Corporation of Industries (India) Ltd., New Delhi. Perm.—189, Lam Road, Devlali.	Regional Manager.	STO-I.
7026	Gaur, Hanuman Prasad.	1923	B.Sc. Met. (Banaras —'44) A.I.M. (London)	Manufacture of aluminium, non-ferrous metals & alloys, pipes & pipe fittings and treatment of metallic ashes & mixed scraps.	Pres.—Delta Metal Refineries, Arindah, 24 Parganas. Perm.—C/o Pandit Jwala Shanker Bahadur, P.O. Jalesar Town, Distt. Etah.	Works Manager.	STO-I.
7027	Ghirkar, Laxman Narayan.	1927	B.Sc. Met. (Banaras)	Worked for 2 years in teaching metallurgy & material testing to degree & diploma students.	Pres.—Tata Iron & Steel Works, Jamshedpur. Perm.—O/o N.G. Ghirkar, Pleader, P.O. Malikapur, Distt. Buldana, M.P.	...	Appr.
7028	Gill, Sarup Singh.	1917	B.Sc. Hons. (Punjab —'38) M.S. Met. Engg. (Pittsburgh, U.S.A. —'47)	Heat treatment of all kinds including production & tool room work, analysis of ferrous & non-ferrous metals and hardening of metals.	Pres.—Hindustan Motors Ltd., P.O. Uttarpara, Calcutta. Perm.—111, Model Town, Ludhiana.	Chief Metallurgist	STO-I.
7029	Gopalan, Kizhantham Raghavachary.	1922	B.Sc. Met. (Banaras —'47)	General & metallurgical inspection of engineering ordnance stores	Pres.—Tech. Development Establishment (Weapons), Kanpur Wing, Kalpi Road, Kanpur. Perm.—C/o K.S. Srinivasachari, 56, Coral Merchant Street, G.T., Madras 1.	Asstt. Foreman.	STO-II
7030	Gopalan, Maharaaja-puram Subramania.	1909	Grad. Tech. Inst. (Jamshedpur—'28)	25 years experience of metallurgical investigation in general and metallurgical control of wheel tyre & axle plant, besides tool room practice.	Pres.—Tata Iron & Steel Works, Jamshedpur Perm.—Maraiyur Agraharam, P.O. Maraiyur, via Mayuram.	Sr. Metallurgist.	STO-I

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7081	Gupta, Bimal Kumar.	1924	B.Sc. Met. (Banaras —'48)	Inspection of engineering materials and metallur- gical testing of various materials like railway rolling stock, aircraft materials, etc.	Pres.— Investigation Section, Office of the Director of Inspection (Met.), Tattinger. Perm.—156, Lansdowne Road, P.O. Rash Behary Avenue, Calcutta 29.	Examiner of Stores (Met.)	STO-G.
7082	Gupta, Murari Mohan.	1917	B.Sc. Met. (Banaras —'40)	12 years experience in inspection, production & fabrication of ferrous & non-ferrous alloys used in the armament industry.	Pres.—T.D.E. (W.), Jub- ulpore. Perm.—2/4, Harinath De Road, Calcutta 9.	Asstt. Supdt. of Develop- ment.	STO-G.
7083	Gupta, Prabuddha- nanda.	1910	Cert. in Metallurgy, (Jamshedpur Tech. Inst.—'31) B.A. (Calcutta—'38) M.I.M. (London) M.I.S.I. (London)	For 4 years worked in manufacture of acids & disinfecting fluids. Now working on rolling mills—ferrous & non- ferrous metals and alloys.	Pres.— Rolling Mills, Ordnance Factory, Ambarnath. Perm.— Narsinghatan Road, P.O. Hazaribagh.	Foreman.	STO-I.
7084	Gupta, Pran Nath.	1927	B.Sc. (Punjab) B.Sc. Met. (Banaras)	Working in iron foundry.	Pres.—C/o Cooper Engg. Ltd., Satara Road, Boni- bagh. Perm.— C/o L. Anant Ram, Mohalla Ustad, Jammu.	Metallurgist.	STO-I.
7085	Gupta, Shri Krishna. (2/Lt.)	1927	B.Sc. Hons. (Calcutta —'45) B.Sc. Met. (Banaras —'51) Training in steel melting.	...	Perm.— 2, Prag Narsim Road, Lucknow.	...	...
7086	Iyer, V. Rama.	1914	B.Sc. Met. (Banaras) A.I.M. (London)	Production of steel for steel castings & ingots for rolling to ball bear- ings.	Pres.—C/o M/s Bhartia Electric Steel Works Ltd., 8, Swinhoe Street, Ballygunge, Calcutta 19. Perm.— East Street, P.O. Ayikudi, Travancore.	Metallurgist.	STO-I.
7087	Jain, Jai Pal Chand.	1926	B.Sc. Met. (Banaras —'49)	For 1½ years worked as Metallurgical Chemist.	Pres.— C/o M/s Daulat Ram Jinender Parshad, 604, Barten Market, Sadar Bazar, Delhi. Perm.— Do.	...	Un.
7088	Jasdanwalla, Falzulla- bhai Abdullahali.	1925	B.Sc. Hons. (Bombay —'46) M.A. (Oxonib.—'48) A.I.M. (London)	Since 1950 working as Metallurgist-cum-Works Manager.	Pres.—C/o The Indian Standard Metal Co. Ltd., Chinchpokli Cross Lane, Bombay 27. Perm.— Rambhitoola House, Homji Street, Fort, Bombay 1.	Works Mana- ger.	STO-I.
7089	Jee, Akshoy Kumar.	1930	B.Sc. Met. (Banaras —'52) A.I.S.I. (London)	...	Pres.—C/o Dr. Harnath Jee, Budhi-shakurani Lane, P.O. Chandni Chowk, Outtack 2. Perm.— Do.	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7040	Johri, Saligram.	1917	B.Sc. (Lucknow—'38) L.I.M. (London)	14 years work in making steel particularly alloy steels by electric arc furnace.	Pres.—Metal & Steel Fac- tory, Ichapur-Newab- ganj, 24 Parganas, Perm.— C/o Sia Ram Johri, Bamanpuri, Bareilly.	Foreman.	STO-I.
7041	Joshi, Madhukar Vinayak.	1929	B.Sc. Hons. (Bombay —'49) B.E. Met. (Poona—'52)	...	Pres.— C/o L.T. Joshi, Kentilal House, Near Opera House, Bombay 4. Perm.— C/o V.T. Joshi, Patkar Wadi, Gangapur Road, Nasik.	..	Un.
7042	Kankaria, Dharmen- dra Kumar.	1929	B.Sc. Met. (Banaras —'52)	...	Pres — Banaras Hindu University, Banaras. Perm.— C/o Shri P.C. Kankaria, Kareli, M.P.	Lecturer in Metallurgy.	T-SG.
7043	Karbelkar, Ram- chandra Sadashiv.	1917	B.Sc. Met. (Banaras —'40)	Manufacture of steel by basic electric arc fur- nace.	Pres.— 43-A, Goregaon- kar's Premises, Portugu- uese Church, Dadar, Bombay 28. Perm.— Do.	Metallurgist.	STO-I.
7044	Katiyar, H.C.	1924	B.Sc. Met. (Banaras —'50)	2½ years work in steel rolling.	Pres.— Rolling Mills, M/s. Bhartia Electric Steel Co. Ltd., 8, Swin- hoe Street, Calcutta. Perm.— Vill. Naglapa- jawa, Fatehgarh, U.P.	Asstt. Fore- man.	STO-I
7045	Khanna, Gulab	1923	B.Sc. Met. (Banaras —'49)	Production of non-ferrous alloys	Pres.— C/o M/s. M.C. Khanna & Bros., 83/B, Dr. Suresh Sikar Road, Intally, Calcutta 14. Perm.— C/o Moti Chan- dra Khanna, Dharam Nivas, Redmai, Dalton- ganj.	Production Assistant	STO-I.
7046	Khare, Nath.	1927	B.Sc. Met. (Banaras —'48)	Roasting, smelting, re- fining of copper and electroplating.	Pres.—M/s. India Copper Corporation Ltd., P.O. Ghatshila, Distt. Singh- bhum. Perm.— C/o Shri Gopi Nath Khare, Gorabazar, Distt. Ghazipur.	Smelter Shift Foreman.	STO-I.
7047	Krishna Chandra. (2/Lt.)	1928	B.Sc. Met. (Banaras —'51)	...	Pres.—College of Military Engg., Poona 8. Perm.— S/265, Orderly Bazar, Banaras Cantt.	...	Ucl.
7048	Krishnamurthy, B.	1928	B.Sc. Met. (Banaras —'45) M.S. Met. (Minnesota, U.S.A.—'47)	Production & fabrication of aluminium.	Pres.—Indian Aluminium Co. Ltd., 31, Chowrin- ghee Road, P. Box 361, Calcutta 16. Perm.— C/o Dr. T.S. Balasubramanian, 42, Aadar Street, P.O. Teppakulam, Trichino- polis, S. India.	Development Officer.	STO-I.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7049	Krishnamurtty, Yemmanur.	1912	B.Sc. Met. (Banaras —'37) A.M.I.E. (India) L.I.M. (London)	Metalurgical development and inspection of engineering stores.	Pres.—T.D.E. (W), P.O. Armapore, Kanpur. Perm.— 111, Sikharan- vari Street, Nellore.	Asstt. Supdt. of Development.	STO-G.
7050	Kutar, Phiroz Hor- mashji.	1898	B.A. Hons. (Bombay —'20) B.Sc. (Bombay—'21) M.S. (Pittsburgh—'23) Met.E. (Pittsburgh —'24)	Joined Tata Iron & Steel Works in 1925 and worked in different capacities specializing in rolling mills. President, Indian Institute of Metals, Bureau of Industrial Statistics and was Vice President, Mining, Geological & Met. Inst. of India (1942-43), and President of Engg. & Met. Section, Indian Science Congress in 1946. Published papers relating to iron & steel works.	Pres.—Tata Iron & Steel Co. Ltd., Jamshedpur.	General Mana- ger.	STA-I.
7051	Lawate, Madhusudan Ganesh.	1928	B.Sc. (Bombay—'48) B.E. Met. (Poona—'52)	...	Pres.— 1204/15, Ghole Road, Shivaji Nagar, Poona 5. Perm.— Do.	...	Up.
7052	Madhekar, Mukund Keshav.	1930	B.E. Met. (Poona—'51)	Working on the heat treatment of metals.	Pres.— Premier Auto- mobiles Ltd., Agra Road, Kurla, Bombay. Perm.— O/o K.N. Madhe- kar, 769/78, Jagdish Niwas, Prabhat Road, Poona 4.	Asstt. to Chief Metallurgist.	STO-I.
7053	Majumdar, H D.	1920	B.Sc. (Allahabad—'39) B.Sc. Met. (Banaras —'44)	Examination & classification of patent specifications.	Pres.— 9/1, Dover Lane, Calcutta 28. Perm.— Do.	Asstt. Exam- iner of Patents	STO-G.
7054	Mathur, Om Prakash.	1928	B.Sc. (Agra—'48) B.Sc. Met. (Banaras —'52)	Doing pilot plant experiments in modified aluminothermic reduction of aluminium & similar metals.	Pres.—College of Mining & Metallurgy, Hindu University, Banaras. Perm.— O/o S.C. Das, Ex. Engr., Sitapur.	Jr. Research Assistant.	R-SG.
7055	Mehra, Sukh Dev.	1928	B.Sc. (Punjab—'47)	Technical control of foundry, annealing furnaces, galvanizing, malleable iron castings and foundry statistics.	Pres.— Durga Lakshmi Iron & Steel Co., P.O. Hinoo, Doranda, Ranchi. Perm.—O/o Mehra & Co., Sabai Bazar, Ludhiana.	Works Mana- ger.	STO-I.
7056	Mehta, P.E.	1916	B.Sc. (Bombay) M.Met.E. (U.S.A.) Dip. in Econ (U.S.A.) M.M.G.I. (India)	For 14 years worked as Technical Officer in TISCO Ltd. Experience in iron & steel and non-ferrous metallurgy. Member, Panel of Technical Consultants Planning Commission. Published papers on iron & steel industry in India, valuation of mines, cement, manufacture of machineries, etc.	Pres.— 14A, Roy Man- sions, Elgin Road, Cal- cutta 20.	Consulting Engineer.	STO-P.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7057	Mehta, Parvez.	1921	B.Sc, Hons. (Bombay —'44) B.S. (Pittsburgh) M.S. Met. Engg. (Pittsburgh, U.S.A. —'48)	Engaged in research on development of better steels and modification of iron & steel making processes. Published papers on effect of titanium in steel and study of slag structures.	Pres.—Research & Control Laboratory, M/s Tata Iron and Steel Co. Ltd., Jamshedpur. Perm.— 10, Mill View Road, Jamshedpur.	Research Metallurgist.	R-I
7058	Menon, Kalathil Perazhi Kunhuuni.	1909	B.Sc. Met. (Banaras —'34)	Inspection & development of ammunition stores.	Pres.—T.D.E. (Ammn.) Detachment, Ambarnath. Perm.— 'Vazhapully House', Chalappuram, Kozhikode, Malabar.	Asstt. Supdt. of Development.	STO-G
7059	Menon, Unikot Govindan Kutty.	1915	B.Sc. Met. (Banaras —'40)	Experience in heat treatment of metals, metal testing and foundry.	Pres.— 112/370, Arya Nagar, Kaupur. Perm.— Augadikad Kalam, P.O. Karimba, S. Malabar.	Jr. Scientific Officer	STO-I.
7060	Menon, V.R. Radha Krishna.	1929	B.Sc. (Madras—'48) B.Sc. Met. (Banaras —'52)	...	Pres.—Suite No. 11, 1, Ballygunge Place, Calcutta 19. Perm.—Vadakepat House, Pynkulam, Cheruthuruthi, Shoranur, S. Malabar.	...	Un.
7061	Mishra, Madan Gopal.	1916	B.Sc. (Calcutta)	Heat treatment of tools & dies including hardening & tipping of high speed tools.	Pres.— Heat Treatment Section, B.N. Rly Workshops, Kharagpur. Perm.— Vill. Baijeepur, P.O. Lalganj, District Basti.	Asstt. Foreman	STO-G
7062	Misra, Deva Dhar.	1910	B.Sc. (Lucknow) B.Sc. Met. (Banaras) M.I.S.I. (London)	(i) Manufacture of steel by open hearth furnace and (ii) in refractory materials used on furnaces.	Pres.—Basic Open Hearth Furnaces, Tata Iron & Steel Co., Jamshedpur. Perm.—15, Shivaji Marg, Lucknow.	First Hand Melter	STO-I
7063	Mitra, Sunil Kumar.	1926	B.Sc. (Calcutta—'44) B.Met (Calcutta—'48) A.M.G.I. (India) A.I.S.I. (London)	For about 2 years worked in steel foundry.	Pres.— Directorate of Industries, Govt. of W. Bengal, 7, Council House Street, Calcutta 1. Perm.— 110/1, Amherst Street, Calcutta 9.	Industrial Investigator. (Metallurgist)	STO-G.
7064	Mukherjee, Jatindra Nath.	1899	B.Sc. (Calcutta—'22)	About 30 years experience in heat treatment of steel and chromium plating.	Pres.— 40/E, The Park, Ishapore. Perm.—No. 9, Harimohan Dutto Road, P.O. Dum Dum Gantt, Distt. 24 Parganas.	Foreman	STO-G.
7065	Mullik, Shanti Sarup. (Lt.)	1927	B.Sc. Met. (Banaras —'50)		Pres.— E.M.E. School, Trimulgherry, Secunderabad. Perm.— C/o Dr. S.D. Chandra, 4, Convent Road, Dehra Dun.	Army Officer	U.L.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7066	MurliDhar.	1899	B.Sc. (Allahabad-'20) M.I.S.I. (London) M.I.M. (London)	26 years experience in testing & heat treatment of ferrous & non-ferrous metals & alloys, water softening and metallurgical control of manufacture of steel & cast iron.	Pres.—B.B. & C.I. Rly. Laboratory, Ajmer. Perm.— Adarsh Nagar, Ajmer.	St. Chemical Assistant,	STO-G.
7067	Murti, Codati Ma- dhave.	1908	B.A. Maths. (Andhra —'30) B.Sc. Met. (Banaras —'35)	Manufacture, inspection and testing of hard drawn cables.	Pres.— 178, South Park, Jamshedpur.	Asstt. Inspect- ing Officer.	STO-I.
7068	Murty, Yemmanur Krishna.	1912	B.Sc. Met. (Banaras —'37) A.M.I.E. (India) L.I.M. (London)	Metallurgical development and inspection of armament stores.	Pres.—T.D.E. (Weapons), Kanpur Wing, Kalpi Road, F.O. Armapore, Kanpur. Perm.—111, Sikkaramvari Street, Nellore.	Asstt. Supdt. of Develop- ment.	STO-G.
7069	Nagesh, Nanjangud Gangadhariah.	1918	B.Sc. (Mysore—'39) B.Sc. Met. spl. stain- less steels. (Banaras —'44)	Experience in smelting, refining & manufacture of non-ferrous metals, alloys & castings like gun metals, type metals, etc.	Pres.— India Metal & Alloys, Metallurgists & Engineers, 12/2, Fraser Square, Coimbatore. Perm.—C/o N. Gangadha- rial, Extensions, Nan- jangud, Mysore State.	Factory Man- ager & Partner.	STO-I.
7070	Nanavati, Shavak Kaikhushru.	1906	B.Sc. (Bombay—'27) B. Met. (Sheffield—'31) M. Met. (Sheffield—'39) Dr. Ing. Met. (Brus- sels) Grad. Tech. Inst. (Jamshedpur—'32) F.I.M. (London)	Since 1934 service in TISCO in various capacities, experience in metallurgical engineering. Now engaged in planning for production and supervision of steel plants operation. Published a paper on developments in blast furnace design.	Pres.—Tata Iron & Steel Works, Jamshedpur. Perm.— No. 8, Boldih Lake, Jamshedpur, via Tatanagar.	Asstt. General Supdt.	STO-I.
7071	Narayan, S S	1917	B.Sc. Met. (Banaras —'49) M.G.M.S. (India)	Smelting and reduction in aluminium metallurgy.	Pres.—C/o Indian Alu- minium Co. Ltd., 81, Chowringhee Road, Cal- cutta 16. Perm.—C/o Indian Alu- minium Co. Ltd., Alwaye, Travancore Cochin.	Works Mana- ger.	STO-I.
7072	Narayana Swamy, M.	1919	B.Sc. Met. (Banaras —'37)	Worked for 14 years in foundry practice, now engaged in teaching foundry practice & theory.	Pres.—Osmania Techni- cal College, Hyderabad. Perm.— Do.	Foreman In- structor. (Foundry)	T-G.
7073	Netarwala, Minoo P.		For particulars, refer to S. No. ST. 6945 on page 829.				
7074	Pal, Krishikes.	1925	B.Sc. (Calcutta—'45) M.Sc. Chem. (Dacca —'48) Dip. in Metallurgy. (I.I.Sc., Bangalore —'59)	...	Pres.— C/o Dr. M.N. Chowrasy, Dhatkidih Bazar, Jamshedpur. Perm.— C/o K.B. Pal, Kamarpara, P.O. Ran- ghat, Nadia, W. Bengal.	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7075	Paliwal, Bhu Deo.	1927	B.Sc. Met. (Banaras —'52) A.I.S.I. (London)	...	Pres.— C/o K.N. Mehra, Texmaco, P.O. Bel- gharia, 24 Parganas, W. Bengal. Perm.— C/o Pt. Ram Chandra Paliwal, Gher- bohra, P.O. Firozabad, Distt. Agra.	...	Un.
7076	Pandalai, K. Rama- chandran.	1924	B.Sc. (Madras—'43) B.Sc. Met. (Banaras —'49)	...	Pres.— C/o I.C.I. Ltd., Head Office, 18, Strand Road, Calcutta 1. Perm.— S.V. Estate Parakode, Adoor, Tra- vancore.	Assistant.	Ucl.
7077	Parghi, Harendra Savailal.	1919	B.Sc. Met (Banaras —'44) M.I.M. (London)	8 years experience in melting & casting of copper & brass and fabrication of these metals into sheets of different tempers.	Pres.— Kamani Metals & Alloys Ltd., Kurla, Bombay. Perm.— Nagarawado, Gangadi Gate, Patan, N. Gujarat.	Metallurgist.	STO-I.
7078	Patel, Chunilal Durlabhbabai.	1922	B.Sc. Met. (Banaras)	Heat treatment of carbon and alloy steels as used in making dies, jigs, bicycle parts, etc.	Pres.— Heat Treatment Section, Hind Cycles Ltd., Bombay. Perm.— Village & P.O. Adajan, Distt. Surat.	Incharge.	STO-I.
7079	Pathak, Bhasker Ramchandra.	1920	B.Sc. (Bombay —'40) B.Sc. Tech. Chem. Engg. (Bombay—'49) M.Sc. Tech. Chem. Engg. (Bombay—'46) M.Sc. Met. (Manches- ter—'48) A.R.I.C. (London) M.I.M. (London) L.I.M. (London)	Since 1949 conducting classes and practicals for B.E. Met. students in metallography, heat treatment of metals, testing of materials, fuels, etc.	Pres.— Dept. of Metal- lurgy, College of Engg., Poona 5. Perm.—C/o M.G. Pathak, Yeshwant Bhuvan, Kumbhatwada, Dadar, Bombay 28.	Lecturer in Physical Metallurgy.	T-G
7080	Petkar, Bhalchandra Vinayak.	1929	B.Sc. Met. (Banaras —'60)	Working on blast fur- naces.	Pres.—L6-69, P.O. Agrico, via Tataganer. Perm.—C/o V.S. Petkar, Advocate, Bhandara, M.P.	Asstt Blower.	STO-I.
7081	Ramachandran, S.	1929	B.Sc. (Madras—'48)	Heat treatment of steel & tools and annealing of ferrous & non-ferrous materials.	Pres.— Heat Treatment Section, Indian Tele- phone Industries Ltd., P.O. Dhuravalli Nagar, Bangalore.	Tech. Asstt	STO-I
7082	Ramaswami, Dural- swami.	1915	B.Sc. (Madras—'36) A.M.Ae.S (India)	9 years work in heat treatment, sheet metal fabrication and foundry practice.	Pres.— Hindustan Air- craft Ltd., Bangalore Perm.— 1848, V Cross Road, Malleswaram, Bangalore 3.	Sr. Inspector	STO-I
7083	Rao, Hosur Rama- chandra Rac Shan- kare Narayan.	1927	B.Sc. Hons. (Mysore —'48) M.Sc. Physics. (My- sore—'49) D.I.I.Sc. Met (Ban- galore—'52)	Working on investigation on aluminium coating of steel.	Pres.— Dept. of Metal- lurgy, Indian Institute of Science, Bangalore 3. Perm.— Byrasandram, P.O. Bagalur, Hosur Taluk, Distt. Salem.	Jr. Research Assistant,	R-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7084	Rao, Mudiam Kuppu.	1920	B.Sc. Met. (Banaras —'44)	Melting, refining & re- conditioning of non- ferrous metals, alloy making and production of quality non-ferrous castings.	Pres.—M/s Binani Metal Works Ltd., Calcutta. Perm.— Chitrakutam, Ranganayakulapeta, Nellore.	Production Manager.	STO-I.
7085	Rao, Parinam Subba.	1912	B.A. (Andhra—'38) B.Sc. Met. (Banaras —'37)	For 9 years worked in the manufacture of carbon steel & alloy steel by electric arc furnace.	Pres.—C/o Parinam Ram Rao, Veena Vari House, Gurachari Street, Vizia- nagram.	...	Un.
7086	Rao, Udipl Mohan.	1926	B.Sc. Met. (Banaras —'49)	Testing of ferrous, non- ferrous and non-metal- lic materials.	Pres.— Metallurgical Laboratory, Indian Telephone Industries Ltd., Duravani Nagar, Bangalore. Perm.— Do.	Metallurgist.	STO-I.
7087	Rao, Y A Gopal.	1923	B.Sc. Met. (Banaras —'44) Dip. Tech. Inst. (Jamshedpur—'47)	Manufacture of tin plates from tin bar.	Pres.— Tinplate Co. of India Ltd., Golmuri. Perm.—2B, Jumna Road, P.O. Golmuri, Jamshed- pur.	Asstt. to the Supdt. of Finishing.	STO-I.
7088	Rastogi, Satish Chandra.	1925	B.Sc. Met. (Banaras —'48) M.I.S.I. (London)	Undergoing training in the manufacture of loco- motives, diesel engines, road rollers, machine tools, etc.	Perm.—C/o Jyoti Swarup, Retd. Dy. Collector, C. Patt Bazar, Meerut.	...	Appr.
7089	Ray, Hatendra Nath.	1906	M.Sc. Chem. (Calcutta —'30) Ph.D. Metallurgical Chem. (Calcutta—'52) A.R.I.C. (London)	18 years experience in metallurgical analysis, published papers relat- ing to steel analysis.	Pres.— Metal & Steel Factory, Ichapore, W. Bengal. Perm.— 972/13, Russa Road South, Tollygunj, Calcutta.	Foreman. (Laboratory)	STO-I.
7090	Rebeiro, Joseph C.	1915	B.Sc. (Nagpur—'37)	About 13 years experience in cold rolling & wire drawing of steel & other non-ferrous alloys in- cluding annealing & pickling	Pres.— Metal & Steel Factory, Ichapore. Perm.— Do.	Foreman	STO-I.
7091	Reddi, Devan Ven- kata.	1918	B.Sc. Met. (Banaras —'38) A.R.I.C. (London) A.I.M. (London) M.I.M. (London) A.M.I.E. (India) M.I.S.I. (London)	Metallurgical research & development work of armament stores using indigenous substitute materials, inspection & testing of armament stores produced in ord- nance factories in India and metallurgical pro- cess control.	Pres.— Tech. Develop- ment Establishment (Metallurgy), P.O. Icha- pur-Nawabganj, 24 Par- gaons. Perm.— Do.	Asstt. Supdt. of Develop- ment.	STO-G.
7092	Sarker, Nath.	1912	B.Sc. (Calcutta—'34) B.Met. (Sheffield—'38)	12 years work in manu- facture & inspection of various types of arma- ments.	Pres.— Tech. Develop- ment Establishment, Jubbulpore. Perm.— 78/A, Anande Palit Road, Entally, Calcutta	Asstt. Supdt. of Development. (Weapons)	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7093	Sarkar, Satyabrata.	1929	B.Sc. (Calcutta—'43) B.Met. (Calcutta—'45) M.S. Met. Engg. (Colorado, U.S.A.—'51)	6 years work in smelting & refining of lead.	Pres.—M/s Metal Corporation of India Ltd., Tundoo, Katrasgarh, Maubham, Bihar, Perm.—3/A, Kabir Road, P.O. Kalighat, Calcutta 26	Asstt Factory Supdt.	STO-I
7094	Saxena, Mahesh Narain.	1925	B.Sc. (Allahabad—'45) B.Sc. Met. (Banaras—'49) M.I.S.I. (London)		Pres.—Dept. of Mech Engg., University of Roorkee, Roorkee. Perm.—C/o R.B. Saxena, Ram Kuti, Pilibhit.	Lecturer in Metallurgy.	T-SG.
7095	Sen, Nalinbihari.	1901	B.Sc. Hons. (Calcutta—'22) B.Met. (Sheffield—'24) M.Met. (Sheffield) F.R.I.C. (London) F.I.M. (London) A.M.I.Oh.E. (London)	For 22 years worked as Chief Chemist in Tata Iron & Steel Co. Now scrutinizing & advising on all capital projects for plant & equipment particularly on Tata's expansion & modernization programme	Pres.—Tata Iron & Steel Co. Ltd., Jamshedpur. Perm—34, Circuit House Area, Jamshedpur.	Tech. Asstt. to the Resident Director.	STA-I.
7096	Sen, Pranab Kumar.	1928	B.Sc. (Calcutta—'47) B.E. Met. (Calcutta—'51)	Working on steel melting by open hearth furnace	Pres.— Indian Iron & Steel Co. Ltd., Burnpur Perm.—7A, Southern Avenue, Calcutta 26.	...	Appr.
7097	Sen, Sanjiv.	1924	B.Sc. (Calcutta—'48)	For 8 years worked on heat treatment & electroplating. Now engaged in inspection & testing of steel & CI. castings.	Pres.—I.A.F. Detachment, Inspector, Ordnance Factory, Muradnagar. Perm—40/3, Guruprosad Choudhury Lane, Calcutta.	STO-I.	
7098	Sen Gupta, Devabrat.	1917	B.Sc. (Calcutta—'38) L.I.M. (London) A.M.G.I. (India)	12 years work in metallurgical inspection of engineering stores.	Pres.—Tech. Development Establishment, P.O. Armapore, Kanpur. Perm—C/o Tech. Development Establishment (Metallurgy), P.O. Ichapur — Nawabganj, W. Bengal.	Foreman.	STO-G.
7099	Sen Gupta, Sudhir Ranjan.	1921	B.Sc. (Calcutta—'42) B.Sc. Met. (Banaras)	Foundry practice, electric steel smelting, heat treatment and mechanical testing.	Pres.— Steel & Iron Foundry, Bhartia Electric Steel Co. Ltd., 8, Swinhoe St., Calcutta. Perm—C/o M. Sengupta, Principal, Engineering College, Hindu University, Banaras.	Supervisor.	STO-I.
7100	Setty, O.S. Sathyanarayana.	1927	B.Sc. Met. (Banaras—'51)	Working in cast iron foundry making metre gauge sleepers.	Pres.—C/o The Mysore Iron & Steel Works, Bhadravati, Mysore. Perm.— Subba Setty Bldgs., Durgludi Extension, Shimoga, Mysore State.	Section-in-Charge.	STO-I.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7101	Sharma, Durga Nath.	1910	Dip. Tech. Inst. (Jamshedpur—'32) Iron & Steel Manufacture. (O. & G., London)	18 years work on blast furnaces in the manufacture of pig iron.	Pres.—Tata Iron & Steel Co. Ltd., Jamshedpur.	Blower. (Blast Furnaces)	STO-I.
7102	Singh, Bhanu Pratap.	1927	B.Sc. Met. (Banaras —'50)	Steel making and steel foundry.	Pres.— Bhartia Electric Steel Co. Ltd., Calcutta. Perm.—C/o Shree Narayan Singh, Vill & P.O. Chhitaunee, Pargana Jalhpur, Distt. Banaras.	...	Appr.
7103	Sogani, Nirmal Chandra.	1925	B.Sc. Met. (Banaras)	Working in iron & brass foundry and also on metallurgical analysis.	Pres.—Outside Agra Gate, Ajmer. Perm.— Do.	Laboratory Asstt (Metal- lurgical)	STO-G.
7104	Soni, Dharm Pal.	1928	B.Sc. Met. (Banaras)	Engaged in inspection, testing & heat treatment of materials for engineering purposes.	Pres.— Tech. Develop- ment Establishment (Weapons), Kanpur. Perm.— C/o Durga Das Soni, R.M.S., Bhatinda.	Supervisor.	STO-G.
7105	Sood, Devendra Kumar.	1925	B.Sc. Met. (Banaras —'48)	Doing research work as applied to steel industry.	Pres.—Tata Control & Research Laboratories, P.O. Burmanianus, v/a Tatanagar. Perm.— C/o Amar Nath Sood, Rupar, District Ambala.	Research Asstt.	R-I.
7106	Sood, K.O.	1915	B.Sc. Met. (Banaras —'37) A.M.I.E. (India)	Manufacture of alloys, tools & special steels, (ii) heat treatment of metals & alloys.	Pres.—C/o Sudsons Ltd., 10, Cauning Street, Calcutta. Perm.— Do.	Managing Director.	...
7107	Srivastava, Krishna Chandra.	1926	B.Sc. Met. (Banaras)	Working on metallurgical problems in applied mechanics.	Pres.— Applied Mech. Division, National Physi- cal Laboratory, New Delhi 6. Perm.—C/o Tulsi Prasad, Vill. Aslempur, P.O. Mariyahu, Distt. Jaun- pur.	Jr. Scientific Assistant.	R-SG.
7108	Subramaniam, Ven- kateswara.	1926	B.Sc. Hons. (Calcutta —'48) B.Met. (Calcutta—'46) M.S. Met Engg. (Pittsburgh, U.S.A. —'49) M.I.M. (London)	Working as Officer-in- Charge of technical sale of special steels.	Pres.—Tata Iron & Steel Co., 81, Chowringhee, Calcutta 16. Perm.— Do	Asstt. Section Officer	STO-J.
7109	Subramanian, Vellur Ramachandra Sas- trigal.	1928	B.Sc. Hons. (1948) D.I.I.Sc. Met (Ban- galore—'51)	Engaged in teaching & research work relating to metallurgy.	Pres.—Dept. of Metal- lurgy, Indian Institute of Science, Bangalore 9. Perm.— Do.	Research Asstt.	TR-SG.
7110	Sundaram, O.V.	1929	B.Sc. Hons. (Madras —'49) D.I.I.Sc. Met. (Ban- galore—'52)	Working on the project 'Separation of zirconium & hafnium' sponsored by Atomic Energy Com- mission.	Pres.— Dept of Metal- lurgy, Indian Institute of Science, Bangalore 9. Perm.— 24, Vadachala Gardens, Mandavati, Madras 4.	Research Assit.	R-SG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7111	Talwar, Rajendra.	1927	B.Sc. Met. (Banaras) A.I.S.I. (London)	Rolling of steel and treatment of pyrite ores.	Pres.—Steel Corporation of Bengal Ltd., Burnpur. Perm.—1, Inner Circular Road, Jamshedpur.	Asstt. (Rolling Mills)	STO-I.
7112	Talwar, Vidya Dhar.	1900	Graduate Tech. Inst. (Jamshedpur—'25) Iron & Steel Manufacture. (U. & G. London)	Specialization in iron & steel industry particularly in the manufacture of all types of steels.	Pres.—Steel Corporation of Bengal Ltd., Burnpur. Perm.—1, Inner Circular Road, Jamshedpur.	Chief Manager (Steel)	STA-I.
7113	Teredessai, Shreekrishna Ganesh.	1930	B.E. Met. (Poona—'51)	Worked on manufacture of razor blades and in iron & steel foundry. At present working on coreless induction furnace.	Pres.—C/o G.G. Dandekar Machine Works Ltd., Bhivandi, Distt. Thana, Bombay Perm.—C/o V.G. Kokaje, 6/8, Goregaokar's Bldgs., Girgaon, Bombay 4.	Metallurgist.	STO-I
7114	Thatham, Desika Rangaswamy.	1912	B.Sc. (Madras—'33) B.Sc. Met. (Banaras—'38) A.I.M. (London)	14 years experience in inspection of ferrous & non-ferrous manufactured goods.	Pres.—Tech. Development Establishment (A), Ordnance Factory, Ambarnath. Perm.—7, Bandla Venugopal Naidu Street, Triplicane, Madras.	Foreman.	STO-I.
7115	Vasudevan, Pathiyil.	1921	B.Sc. Met. (Banaras—'49)	Non-ferrous alloy making, refining & foundry practice.	Pres.—The Indian Smelting & Refining Co. Ltd., 102, Narkeddanga Main Road, Calcutta. Perm.—Sri Lanka, P.O. Chithallam Cherry, Alatur, Malabar.	Works Manager.	STO-I.
7116	Vatchagandhy, Jal Sorabji.	1901	B.Sc. (Bombay—'23) M.Sc. Tech. Metallurgy. (Manchester—'28) F.R.I.C (London) F.I.M. (London)	Metallurgical process control including physical & process metallurgy, testing, inspection & investigational work involving metallurgical problems. Published papers relating to metallurgy.	Pres.—Tata Iron & Steel Works, Jamshedpur. Perm.—1, Sonari Circle, Jamshedpur.	Chief Metallurgist.	STO-I.
7117	Virabhadrayya, Visva Venkata.	1924	B.Sc. Met. (Banaras)	Engaged in assessing the capacity (production) of iron & steel factories.	Pres.—Development Wing, Ministry of Commerce & Industry, New Delhi. Perm.—Do.	Junior Field Officer. (Steel)	STO-G.
7118	Zatakia, Nautamkant Harilal.	...	B.Sc. (Bombay—'39) I.I.M. (London)	10 years work in refining, casting & rolling of non-ferrous metals.	Pres.—Kamani Metals & Alloys Ltd., Agra Road, Kurla, Bombay. Perm.—Mangalbaug, Dessiwadi, Agra Road, Ghatkopar, Bombay.	Refinery-in-Charge.	STO-I



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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7119	Adhikary, Kumar, Amiya	1917	M.Sc. (Calcutta—'39)	Soil and farm management, plant physiology, plant breeding, fruit & flower culture, published paper on photoperiodism.	Pres.— Bose Institute, Experimental Station, P.O. Falta, Distt. 24 Parganas. Perm.—Hilli, Distt. West Dinajpur, West Bengal	Botanist & Officer-in-Charge	R-NG.
7120	Agarwal, Ram	1927	M.Sc. (Agra—'48)	5 years work of teaching to intermediate classes.	Pres.—Sita Saran Inter College, Khatauli. Perm.—Manohari Kuti, P.O. Khatauli, Distt. Muzaffarnagar.	Vice-Principal & Head of Biology Dept	T-NG.
7121	Agarwal, Saran.	1930	B.Sc. (Lucknow—'49) M.Sc. (Lucknow—'52)	...	Pres.—C/o Shri Chandra Prakash, 28, Daryaganj, Anand Bhawan, Delhi. Perm.—100, Kote, Amroha, Distt Moradabad.	...	Un.
7122	Agrawal, Jageshwar Saran.	1927	B.Sc. Agri. (Agra—'47) M.Sc. Agri. Botany. (Agra—'49)	Doing research in plant embryology, published papers.	Pres.—Dept. of Botany, University of Delhi, Delhi 8. Perm.— 17, Vijaynagar Colony, Agra.	...	R-S.
7123	Ahuja, Suman.	1928	B.Sc. (Punjab—'49) L.T. (Agra—'51)	Teaching to intermediate classes.	Pres.— C/o Dr. Mrs. P. Arora, 14, Kasturji Nehru Road, Chowk, Lucknow. Perm.— Do.	Demonstrator in Biolgy.	T-
7124	Aiyar, K. Narayana,	1906	M.A. Botany. (Madras—'34)	Worked for 18 years in the teaching line and for the last 6 years doing research in pharmacognosy of indigenous medicinal plants. Published a manual of botany and a series on pharmacognosy of ayurvedic drugs of Travancore-Cochin State.	Pres.—Central Research Institute, Trivandrum. Perm.—Saraswathi Vilas, Sethalmond Palace Road, P.O. Poojapura, Distt. Trivandrum.	Special Officer (Pharmacognosy)	R-SG
7125	Balam, L.M.	1896	B.A. (Madras—'18) B.A. Hons. (Madras—'20;	28 years teaching experience.	Pres.—St. Joseph's College, Tiruchirappalli. Perm.— Do.	Prof. & Head of the Dept. of Natural Science.	T-NG.
7126	Banerjee, Sri Deba- shis.	1931	B.Sc. (Delhi—'50) M.Sc. spl. Plant Physiology. (Calcutta—'52)	...	Pres.— 5, President's Estates, New Delhi 4. Perm.— Vill. Kamrabad, P.O. Sonarpur, Distt. 24 Parganas, W Bengal	Un.	
7127	Banerji, Jogendra Chandra.	1895	B.A. (Calcutta—'17) M.A. (Calcutta—'27)	36 years teaching work, publications on myxophyceae.	Pres.— 35, Ballygunge Circular Road, P.O. Ballygunge, Calcutta 19. Perm.—Diamond Harbour Road, Rangnathpur Colony, P.O. Barisha, Calcutta 8.	Demonstrator in Botany	TR-SG

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7128	Bangarayya, Malli-madugula.	1926	B.Sc. Agril. (Madras—'48) M.Sc. Agril. (Banaras—'52)	Engaged in physiological studies in groundnut and gingelly.	Pres.— Central Tobacco Research Institute, Rajahmundry. Perm.—C/o M.K. Rama-swami, 85, Third Street, Kotta Agraharam, Vizianagaram.	Research Asstt.	STO-G.
7129	Bapna, Karan Raj.	...	B.Sc. (1947) M.Sc. spl. Plant Pathology. (1950)	For the last 8 years teaching degree & post-graduate classes and doing research.	Pres.—Jaswant College, Jodhpur. Perm.—O/o Samliseri, Sirohi.	Lecturer in Botany.	TR-G.
7130	Batra, Shanti. (Mrs.)	1920	B.A. (Calcutta—'40) M.A. (Calcutta—'42) Ph.D. Cytogenetics. (Cornell—'61)	Teaching botany to intermediate classes, published papers.	Pres.—Lady Brabourne College, Calcutta. Perm.—12, Mandeville Gardens, Calcutta 19.	Asstt. Prof. of Botany.	T-G.
7131	Bhaduri, Satish Nath.	1917	B.Sc. Hons. M.Sc. Ph.D. Bacteriology. (London)	Soil microbiology & methods of statistics in biological research.	Pres.—55C, Peary Mohan Roy Road, Calcutta 27. Perm.—26, Purulia Highway, Jamshedpur.	Asstt. Prof. of Botany.	T-
7132	Bhagat, Ved Parkash.	1928	B.Sc. (Punjab—'49) M.Sc (Bombay—'62)	...	Pres.— House No. 3454, 15B, Dariba Pan, Pahar Ganj, New Delhi. Perm.— O/o Dr. Bal-mukand, 6267/6, Sadar Bazar, Ambala Cantt.	...	Un.
7133	Bharadwaja, Ramesh Chandra.	1924	M.Sc. (Agra—'47)	...	Pres.— 7, Bhupa Road, New Mandi, Musaffarnagar. Perm.— O/o Supdt., Hostel, Govt. Higher Secondary School, Agra.	Lecturer in Botany.	T-
7134	Bhardwaj, Satindra Nath.	1930	M.Sc. (Agra)	Teaching botany and doing research in plant physiology.	Pres.—Agra College, Agra. Perm.— O/o Pt. Harish Chandra, Jagadhri	Lecturer in Botany	TR-SG.
7135	Bhargava, Kamleshwar Sahai.	1918	B.Sc. (Allahabad—'37) M.Sc. (Allahabad—'39) D.Phil. Botany. (Allahabad—'48) Ph.D. Plant Pathology. (London—'48) F.B.S. (India)	6 years teaching work of botany to degree and postgraduate classes, published papers on mycology.	Pres.— D.S.B. Govt. Degree College, Naini Tal, U.P.	Prof of Botany.	T-G.
7136	Bhattacharyya, Jyoti-prasanna.	1924	M.Sc. (Calcutta—'47)	Doing microbiological work on jute fibre and hessian. Knowledge of maintenance of stock culture of mould fungi.	Pres.—Indian Jute Mills Research Institute, Calcutta. Perm.— P.O. Mahua, Distt. Murshidabad, West Bengal.	Botanist & Fibre Microscopist.	STO-NG.
7137	Bhattee, Shamsher Singh.	1928	B.Sc. (Punjab—'50) M.Sc. spl. Palaeobotany. (Banaras—'52)	...	Pres.—9, Reilly Road, East Kirkee, Poona 9 Perm.— Vill. Abhowal, P.O. Bhanga, District Hoshiarpur.	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7138	Bilimoria, Merwan Cawasji. (F/Lt.)	1907	B.Sc. (Bombay—'29) M.Sc. (Bombay—'31) Ph.D. Plant Physi- ology. (Leeds—'36)	For 4 years carried out teaching work in botany, published papers in plant physiology.	Pres.—B-18, King Edward Road Hostel, King Edward Road, New Delhi. Perm.—B-2, Shapurbag, Vithalbhai Patel Road, Girgaon, Bombay 4.	...	UoL
7139	Chakravarti, Shib Chandra.	1911	B.Sc. (Banaras—'31) M.Sc. Agri. Botany. (Banaras—'33) Ph.D. Botany. (Agra —'51)	Worked for 11 years in I.C.A.R. scheme of plant physiology and cyto- logy, since 1948 teach- ing botany upto post- graduate classes. Pub- lished papers on applied plant physiology & developmental anatomy.	Pres.—Dept. of Botany, B. R. College, Agra. Perm.— 169, Pande Haveli, Banaras City.	Associate Prof. of Botany.	T-NG.
7140	Chandrasekharan, Ramaswamy.	1924	B.Sc. (Madras—'45) M.A. Botany. (Madras —'52)	Teaching to intermediate and degree classes.	Pres.—Alagappa College, Karaikudi. Perm.— C/o Y. Ram- swamy Iyer, Ranga- nathapuram, P.O. Tiru- kattupalli, via Budalur, S.R.	Lecturer in Botany.	T-NG.
7141	Chatterji, U.N.	...	B.Sc. Hons. (Allah- abad—'29) M.Sc. (Allahabad—'30) D.Phil. Botany. (Allahabad—'37) D.Sc. spl. Plant Physiology. (Allah- abad—'45) F.N.A.Sc. (India)	Worked for 4½ years in the teaching line. Ex- tensive editorial work in connection with the publication of technical and non-technical arti- cles.	Pres.—Indian Council of Agricultural Research, New Delhi. Perm.— Do.	Chief Editor, Publications.	Scientific editing & publica- tion.
7142	Chennaveeraiah, Masgode Shaantha- veeraiah.	1924	B.Sc. Hons. (Mysore —'46) M.Sc. (Mysore—'48)	Since 1946 teaching to inter and B.Sc. Hons. classes and doing re- search, published pa- pers.	Pres.— Dept. of Botany, Institute of Science, Fort, Bombay. Perm.— No. 42, V Main Road, Chamarajpet, Bangalore 2.	Lecturer.	TR-G.
7143	Ohhajani, Shyam Sunder Lal.	1928	M.Sc. (Rajputana—'53)	...	Pres.— Dept. of Botany, Birla College, Pilani	...	R-S.
7144	Chitrajan Prasad.	1926	B.Sc. Agric. (Agra—'48) M.Sc. Agri. Plant Physiology. (Ban- aras—'50)	Doing research in sugar- cane physiology.	Pres.—Physiology Divi- sion, Central Sugarcane Research Station, Pusa, Bihar. Perm.— 4, New Godown Lane, Gaya.	Sr. Research Assistant.	R-G.
7145	Chowdhury, Kafil- uddin Ahmad.	1902	B.A. (Calcutta—'22) B.Sc Forestry. (Edin. —'25) M.S. Wood Techno- logy. (Syracuse, U.S.A.—'29) D.Sc. Botany. (Edin. —'39) F.N.I. (India) F.N.A.Sc. (India) F.B.S. (India)	Since 1927 working in the F.R.I. Dehra Dun, specialisation in pure & applied plant anatomy and published several papers on the same. Member of various scientific committees.	Pres.— Forest Research Institute, Dehra Dun. Perm.— Do.	Wood Techno- logist.	R-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7146	Dalal, S.B.	1923	M.Sc. (Nagpur—'48)	For 4 years worked on the citrus research scheme of I.A.R.I. and since 1948 doing teaching work.	Pres.—Vidarbha Mahavidyalaya, Amravati. Perm.— Do.	Lecturer in Botany.	T-NG.
7147	Das, R.N.	1910	B.Sc. Hons. (Punjab—'31) M.Sc. (Punjab—'32)	20 years teaching experience, specialised in green algae and angiosperms.	Pres.—D.A.V. College, Ambala City. Perm.— Do.	Prof. & Head of the Dept. of Biology.	T-NG.
7148	Datta, Bina.	1928	B.A. (Calcutta—'40) M.A. Botany. (Calcutta—'44)	8 years teaching work.	Pres.—State College of Agriculture, Tollygunj, Calcutta 88. Perm.— Do.	Lecturer in Botany.	T-G.
7149	Datta, J.A.	1912	B.Sc. (Punjab—'34) M.Sc. (Allahabad—'36)	...	Pres.— Francis High School, Darya Ganj, Delhi 7 Perm.—C/o Polytechnic, T.H.S., Kashmere Gate, Delhi 6.	Teacher.	T-NG.
7150	Datta, Prabhulla Chandra.	1927	B.Sc. (Calcutta—'47) M.Sc. spl. Cytogenetics. (Calcutta—'50)	Doing research in genetics and plant breeding of rice, pulses, wheat, etc., published papers on cytogenetical topics.	Pres.— Maize & Paddy Research Station, Kalimpong, Distt. Darjeeling. Perm.—C/o J.C. Datta, Headmaster, Mithani H.E. School, P.O. Mithani, Distt. Burdwan.	Research Asstt.	R-G.
7151	Davis, T.A.	1928	B.A. (Madras) P.G. training in Agril. Botany. (Madras)	Plant physiological research work on coconut crop, published papers regarding coconut and sugarcane.	Pres.—Coconut Research Station, Kavangulam. Perm.— Romanputtoor, Nagercoil, Travancore.	Plant Physiologist.	R-SG.
7152	Deshpande, Sudhakar Rajaram.	1928	M.Sc. (Poona—'51)	2 years teaching work.	Pres.— Biology Dept., National College, Bandra, Bombay 20. Perm.—‘Sudha Bhavan’, Garud Bag, Dhule.	Lecturer in Botany.	T-NG.
7153	Dhar, Girdhari Lal.	1925	B.Sc. (Punjab—'44) B.Sc. Hons. (Punjab—'46) M.Sc. (Punjab—'52)	5 years teaching work.	Pres.— Govt Gandhi Memorial College, Jammu. Perm.— 51, Safakadal, Srinagar.	Lecturer in Botany.	T-G.
7154	Dixit, Suresh Chaturlal.	1901	M.Sc. (Bombay—'28) M.A. Sociology. (Bombay—'31)	21 years teaching work in botany, publications on marine and fresh water algae.	Pres.— Fort William, Calcutta 21. Perm.—Pipla Pol, Nagarwada, Nadiad, Distt. Kaira.	Staff Officer (Education)	T-G.
7155	Dixit, Surya Narain.	1932	B.Sc. (Agra—'50) M.Sc. (Saugor—'53)	Engaged in research on the morphology and embryology of loran-thoideae.	Pres.—Dept. of Botany, University of Delhi, Delhi 8. Perm.—C/o Shri Mathura Prasad Dixit, Krishna Sadan, Alinagar, U.P.	Research Scholar.	R-S.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7156	Dnyansagar, Vishnu Ramchandra.	1918	M.Sc. (Nagpur—'42)	Since 1946 teaching botany and doing research in mimosaceae, published papers with regard to fly-breeding and on the embryology of the mimosaceae	Pres.—College of Science, Raipur, M.P. Perm.— Opposite Maharashtra Office, Nagpur.	Lecturer in Botany.	TR-G.
7157	Gandhi, Sumer Mal.	1928	M.Sc. spl. Plant Physiology (Rajputana—'52)	...	Pres.—C/o M.S. Gandhi & Co., Jalore, Rajasthan. Perm.— Do.	...	Un.
7158	Ganesan, D.	1908	B.A. Hons. (Madras—'31) M.Sc. Plant Cytology. (Madras—'36)	Since 1939 doing genetical work and now breeding superior strains in cotton, groundnut and linseed. Knowledge of application of statistical methods to field experiments, published papers	Pres.— Inst. of Plant Industry, Indore.	Asstt. Botanist.	STO-G.
7159	Gangadharan, C.	1930	B.A. (Madras—'50) M.Sc. (Rajputana—'53)	...	Pres.—C/o Shri P. Gopinath, The Britannia Biscuit Co. Ltd., Delhi. Perm.— Chanayil House, P.O. Cranganore, Travancore-Cochin.	...	Un.
7160	Gangolly, Shiva-shankar Rao	1912	B.Sc. Agri. (Madras—'37) M.Sc. (Madras—'47)	For 18 years carried out work in systematics of fruits and since 1951 engaged in cyto-anatomical investigations in coconut; contributed monographs on classification of mangoes.	Pres.— Central Coconut Research Station, Kasargod. Perm.— Landlord, P.O. Ganguli, Distt. South Kanara.	Cyto. Anato- mist.	R-SG.
7161	Ganguly, Hirendra Chandra.	1914	B.Sc. Hons. (Calcutta—'34) M.Sc. (Calcutta—'36) Training in Genetics & Plant Breeding. (Arkansas, U.S.A.—'48)	Since 1937 serving in Education Dept. Published research papers on cytology, genetics & physiology. (Also registered under Plant Breeding & Genetics at S.No. ST. 3944 in Part I of the Volume)	Pres.— Presidency College, Calcutta 8. Perm.— B-14, Govt. Housing Estate, Calcutta 14.	Asstt. Prof. of Botany	TR-G.
7162	Garga, Rameshwar Prasad.	1918	M.Sc. (Agra—'40)	For 8 years worked in various schemes of research in plant pathology including virology. Since 1949 teaching botany, published papers on virus diseases.	Pres.— Holkar College, Indore. Perm.— C/o Mathura Prasad, Alra-Khera, Distt. Mathura.	Sr. Lecturer in Botany.	T-G.
7163	Gaur, Shivakumar Singh.	1922	B.Sc. (Agra—'48) M.Sc. Agric. Botany. (Banaras—'45)	2 years plant breeding work and 7 years teaching work.	Pres.— M.B. College of Agriculture, Gwalior Perm.— C/o Th. Tej Singh, Malipura, Ujjain, M.B.	Asstt Prof. of Botany.	TR-G.
7164	Ghose, Sukumar.	1902	M.A. Indian Vernaculars (Calcutta—'32) M.Sc. (Calcutta—'34)	24 years teaching experience,	Pres.— St Xavier's College, 90, Park Street, Calcutta 16. Perm.— 238A, Rashbehari Avenue, Calcutta 19.	Prof of Botany.	T-NG

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7165	Gopalachari, Nallam Chakravartulu.	1925	B.Sc. Agri. (Andhra —'48) M.Sc. spl. Plant Physiology. (Banaras —'50)	Plant physiological work in tobacco with reference to the improvement of quality and yield. (Also registered under Agri. & Hort. at S. No. ST. 3600 in Part I of the Volume)	Pres.— Central Tobacco Research Inst., Rajahmundry. Perm.—Sangita Pataksala, Near Krishna Talkies, Innespet, Rajahmundry.	Research Asstt.	STO-SG.
7166	Goswami, Siri Krishna.	1927	B.Sc. (Punjab—'47) M.Sc. spl. Algology. (Banaras—'50)	6 years teaching work in biology, published papers on paleobotany.	Pres.— S.D. College, Saharanpur. Perm.— 218, Railway Colony, Saharanpur.	Lecturer & Head of Biology Dept.	T-NG.
7167	Guha, Murari Prosad.	1922	B.Sc. (Calcutta—'41) M.Sc. Botany. (Calcutta—'48)	From 1945-47 carried out mycological work and/or 4 years studied manurial requirements, development & preservation problems of potato. Now engaged in sugarcane development, published papers	Pres.—State Agricultural Research Inst., Ranikuthir, Tollygunge, Calcutta 39. Perm.—Nabagram Colony, Konnagar, District Hooghly.	Research Asstt.	R-G.
7168	Gupta, Kedar Mal.	1910	M.Sc. (Lucknow) D.Sc. Botany. (Lucknow)	Teaching botany to degree and postgraduate classes, published papers on fossils.	Pres.— Jaswant College, Jodhpur. Perm.— Diggli Lane, Beawar, Ajmer.	Prof. & Head of Botany Dept.	T-G.
7169	Handoo, Omkar Nath.	1927	B.Sc. Hons. (Punjab —'48) M.Sc. (Punjab—'50)	...	Pres.—B. No. 9A, Minto Hall, Bhopal. Perm.—Shallayar, Second Bridge, Srinagar.	Lecturer in Biology.	T-
7170	Harbhajan Singh.	1916	M.Sc. (Agra—'38) Assoc. I.A.R.I. (New Delhi—'40)	Working in the scheme for the introduction of new economic plants. Knowledge of plant breeding, genetics & systematic botany, published papers on the same. (Also registered under Plant Breeding & Genetics at S No. ST. 3948 in Part I of the Volume)	Pres.— Indian Agricultural Research Inst., New Delhi. Perm.— Do.	Asstt. Botanist.	R-G.
7171	Jacob, K T.	1911	B.A. (Madras—'32) M.A. (Madras—'35) Ph.D. Cytogenetics. (London—'39)	Since 1940 doing research work in cytogenetics and plant breeding of crop plants, published papers.	Pres.— Bose Research Inst., 98, Upper Circular Road, Calcutta 9. Perm.— Do.	Head of the Dept. of Botany.	R-NG.
7172	Jain, Kewal Chand.	1925	B.Sc. (Agra—'47) M.Sc. (Agra—'49)	...	Pres.—Maharaja's College, Jaipur. Perm.— 1867, Pulandar Ji Gale, Ramlala Ka Rasta, Johri Bazar, Jaipur City.	Lecturer in Botany.	T-G.
7173	Jain, Mahabir Prashad.	1930	B.Sc. Hons. (Delhi —'50) M.Sc. (Agra—'52)	...	Pres.—9831, Amrik Gunj, Behind Rly. Station, Ahata Thakur Dass, Delhi 5. Perm.— Do.	...	Un.

## BOTANY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7174	Jaya Marie, Maria Susei, (Miss)	1911	B.Sc. (Madras—'37) B.Sc. Hons. (Madras —'39) L.T. (Madras—'40) M.A. Botany. (Madras —'46)	Since 1940 doing teaching work.	Pres.—Holy Cross College, P.O. Teppakulam, Tri- obinopoly. Perm.— 'Monica Villa', 120, Silver Street, St. Thomas Mount, Madras 16.	Prof. of Botany.	T-NG.
7175	Jayaraman, Venkata- rama.	1922	B.Sc. (Madras—'44) B.Sc. Hons. Botany. (Madras—'48)	Since 1944 engaged in teaching work.	Pres.— Alagappa College, Karaikudi. Perm.— Ramakrishna- laya, 6, Besant Road, P.O. Cathedral, Madras 6.	Lecturer in Botany.	T-NG.
7176	Kak, Dulari.	1930	B.Sc. Hons. (Delhi —'50) M.Sc. (Delhi—'52)	...	Pres.— 8987, Naya Mohalla, Pulbangash, Delhi. Perm.— Do.	...	Un.
7177	Kapil, Ravinder Nath.	1929	M.Sc. (Rajputana—'52)	Maintenance of herba- rium and museum.	Pres.— Dept. of Botany, University of Delhi, Delhi 8. Perm.— C/o Dr. Pran Nath Kapil, Bairon Ka Chawk, Bikaner.	Lecture Asstt.	STO-SG
7178	Kapoor, Dwarka Nath.	...	B.Sc. (Lucknow—'49) M.Sc. (Lucknow—'51)	...	Pres.— Kapoor Villa, 7/28, Tilaknagar, Kan- pur. Perm.— Do.	...	Un.
7179	Kapoor, Padam Saran.	1930	B.Sc. (Agra—'49) M.Sc. spl. Mycology. (Agra—'51)	...	Pres.— C/o B.S. Bajaj, Research Assistant, Indian Agricultural Research Institute, New Delhi.	...	Un.
7180	Kapuskar, Arvind Trimbakappa.	1931	M.Sc. (Nagpur—'53)	...	Pres.— Basweshwar Chauk, Amravati. Perm.— Do.	..	Un.
7181	Kaushikkar, Trimba- k Venimadhao.	1918	M.Sc. (Nagpur—'40)	Botanical work in mil- lets, maize and juar.	Pres.— Section of Second Economic Botanist to Govt. of M.P., Nagpur. Perm.— 198, Abhyankar Road, Dhantoli, Nagpur.	Research Asstt.	STO-G.
7182	Khound, Chandra. Gokul	1930	B.Sc. (Gauhati—'50) M.Sc. spl. Mycology & Plant Pathology. (Gauhati—'58)	Teaching botany to inter- mediate and degree classes.	Pres.— St. Anthony's College, Shillong. Perm.—C/o Jagduar T E, P.O. Teok, Distt Sib- sagar, Assam	Prof. of Botany	T-NG.
7183	Krishnan, T.V.	1912	B.Sc. Hons. (Madras —'36)	Teaching botany to degree classes.	Pres.— St. Joseph's Col- lege, Tiruchirappalli. Perm.— Do.	Lecturer in Botany.	T-NG
7184	Krishnapillai, Gopala- pillai Ponnammal.	1928	B.Sc. (Madras—'50) M.A. Botany.(Madras —'51)	2 years teaching work.	Pres.— Dept. of Natural Science, Thiagaraja Col- lege, Madurai. Perm.— Peringappuram, P.O. Konniyam, via Quilon, T.C.	Demonstrator.	T-NG.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7185	Krishnaswamy, Agaram Rama- chandra Rao.	1925	B.Sc. (Annamalai) D.I.H. (Madras)	Culture of hill fruits, (Also registered under Agri. & Hort. at S. No. ST.8665 in Part I of the Volume)	Pres.—Pomological Sta- tion, P.O. Coonoor, Nil- giris. Perm.—C/o Sri A. Rama- chandra Rao, P.O. Kol- legal, Mysore.	Research Asstt.	STO-G.
7186	Kuruvilla, O.J.	1911	B.A. (Madras—'33) M.Sc. spl. Cytogene- tics. (Travancore—'52)	18 years teaching work.	Pres.— S.B. College, Changanacherry. Perm.— Olasail House, Changanacherry.	Lecturer in Botany.	T-NG.
7187	Lavania, Girja Shanker.	1929	B.Sc. (Agra—'50) M.Sc. (Agra—'53)	...	Pres.— C/o Shri J.S. Agarwal, Dept. of Bot- any, University of Delhi, Delhi. Perm.—17, Vijai Nagar, Agra.	...	Un.
7188	Leela, Mepur Loga- nada.	1927	B.Sc. (Madras—'48) B.Sc. Hons. (Madras —'50)	Teaching natural science to intermediate classes and taking botany prac- tical classes for B.Sc.	Pres.—Govt. Arts College, Madras 2. Perm.— 19, Big Street, Triplicane, Madras 5.	Demonstrator in Natural Science.	T-G.
7189	Mathur, Mahesh Chandra.	1926	B.Sc. (Agra—'47) M.Sc. (Agra—'49)	Worked for 8 years in the teaching line.	Pres.—C/o Anand Behari Lal Mathur, Dy. Inspec- tor of Schools, Kanpur. Perm.— Do.	...	Un.
7190	Mathur, Sri Narain.	1930	B.Sc. (Agra—'48) M.Sc. (Agra—'50)	Since 1950 teaching degree & postgraduate classes, and doing re- search in plant physio- logy.	Pres.— Meerut College, Meerut. Perm.—C/o L N. Mathur, Mukandi-ki-Dharam- shala, Meerut City	Lecturer in Botany.	TR-NG.
7191	Matthews, Polackal Chacko.	1909	B.Sc. Hons. (Madras —'85)	17 years teaching work.	Pres.— St. Berchmans' College, P.O. Changa- nachery, Travancore- Cochin. Perm.— Do.	Asstt. Prof. of Botany.	T-NG.
7192	Meenakshi Sundaram, P.T.	1927	B.Sc. Botany. (Mad- ras—'47)	6 years work in fishery survey.	Pres.— Central Marine Fisheries Research Sta- tion, Tuticorin. Perm.— Do.	Fishery Survey Assistant.	STO-G.
7193	Mishrotra, Brahma Swarup.	1926	B.Sc. (Allahabad—'45) M.Sc. (Allahabad—'47) D.Phil. Botany. (Allahabad—'49)	Teaching botany to undergraduate & post- graduate classes and doing research in pythi- ceae, published papers on fungi.	Pres.— Allahabad Uni- versity, Allahabad. Perm.—814, Bharti Bha- wan Street, Allahabad.	Lecturer in Botany.	TR-SG.
7194	Mehta, Anand Swarup.	1927	B.Sc. (Allahabad—'47) M.Sc. (Allahabad—'49)	Besides teaching work, doing research in pteridophyta and plant physiology	Pres.— Science College, Patna 5. Perm.— Girja Bhawan, Vill. Nidheria, P.O. & Distt. Ballia, U.P.	Lecturer in Botany.	TR-G.
7195	Menon, Parappil Madhava.	1928	B.Sc. (Madras—'42) M.Sc. Agril. Botany. (Banaras—'45)	For the last 6 years engaged in evolution of high yielding and im- proved hybrids in mil- lets, published papers on the same.	Pres.— Millets Section, Agricultural Research Institute, P.O. Lawley Road, Coimbatore Perm.—C/o Sri V. Raman Menon, P.O. Parapa- nangadi, S. Malabar.	Research Asstt.	STO-G.

## BOTANY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7196	Misra, Parasuram.	1894	B.Sc. (Calcutta—'17) M.Sc. (Calcutta—'19) Ph.D. Wood Anatomy. (Leeds—'40)	From 1920-48 worked in the teaching line and published papers on wood anatomy. Now engaged in academic & administrative work.	Pres.—Utkal University, Cuttack 3. Perm.—Brooks Hill, P.O. Sambalpur, Orissa.	Vice Chancellor.	STA-SG.
7197	Misra, Shri Kant.	1926	B.Sc. (Agra—'50) M.Sc. (Lucknow—'52)	...	Pres.— C/o Bisheswar Dayal Misra, Vill. & P.O. Kahanjori, Distt. Kanpur. Perm.—106/206, Lakshman Park, Gandhi Nagar, Kanpur.	...	Un.
7198	Misra Raj, D.N.	1929	B.Sc. (Rajputana—'49) M.Sc. (Rajputana—'51)	...	Pres.— Holkar College, Indore Perm — 637, Subedar Street, Kachehri Street, Agra.	Jr. Lecturer in Botany.	T-G.
7199	Mitra, Birendra Kumar.	1902	B.Sc. Hons. (Calcutta—'26) M.Sc. Zoology. (Calcutta—'28) M.Sc. Botany. (Calcutta—'34) M.Sc. Physiology. (Calcutta—'41) F.Z.S. (London)	Since 1929 teaching biology, published papers on comparative anatomy of fish.	Pres — Central College, Calcutta. Perm.— 8/1, Benoy Bose Road, P.O. Bhawanipur, Calcutta 25.	Prof. & Head of Biology Dept	T-G.
7200	Mitra, Dinendra Kumar.	1909	B.Sc. (Calcutta—'30) M.Sc. (Calcutta—'33)	For 3 years worked in the manufacture of drugs and pharmaceuticals and at present teaching botany & biology.	Pres.—Asutosh College, Calcutta Perm.—29D, Townshend Road, Calcutta 25.	Prof of Botany & Biology.	T-NG.
7201	Mitra, Gopal Chandra	1916	B.Sc. (Calcutta—'36) M.Sc. (Calcutta—'38) D.Phil. spl. Plant Anatomy. (Calcutta—'49)	Research work in algae & plant anatomy and 8 years in teaching. Published several papers on plant anatomy, pharmacognosy and antibiotics.	Pres —Delhi University, Delhi 8 Perm — 76, Kalighat Road, Calcutta 26.	Lecturer in Botany	T-SG
7202	Moghe, Shridhar Sitaram.	1928	B.Sc. (Agra—'49) M.Sc. (Agra—'51)	...	Pres.— Holkar College, Indore. Perm.— Do.	Jr. Lecturer in Botany	T-G.
7203	Mogre, Sharadchandra Balwant	1905	B.Sc. (Bombay—'30) M.Sc. Plant Physiology. (Bombay—'32)	Engaged in textile testing.	Pres.— Technological Laboratory, Matunga, Bombay 19 Perm — Mogre House, 226 A, Vithalbhai Patel Road, Bombay 4.	Senior Tester.	STO-I.
7204	Mohammed Jafar	1918	M.Sc. (Osmania—'38) Assoc. I.A.R.I. Botany. (New Delhi—'40) Ph.D. Genetics. (Wisconsin—'49)	Serving in the Department of Agriculture for the last 13 years, doing genetic, plant breeding and agronomy work. (Also registered under Plant Breeding & Genetics at S. No. ST. 3972 in Part I of the Volume)	Pres — Agricultural Experiment Station, Parbhani, Hyderabad. Perm.—C/o Mr. Mohammed Asadulla Baig, Basmathusagar, Distt. Parbhani, Hyderabad.	Asstt. Economic Botanist	STO-G

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S. No. S.T.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7205	Mohanam, K.M.	1908	M.A. Botany. (Madras—'34) M.Ed. (Madras—'46)	21 years teaching experience.	Pres.—Lady Willingdon Training College, Madras 5. Perm.— 1A, Tank Road, Nungambakkam, Madras 6.	Asstt. Lecturer in Science.	T-G.
7206	Mohanty, Bhabanty.	1930	B.Sc. (Utkal—'50) M.Sc. (Utkal—'52)	...	Pres.—C/o Miss A. Raut, Payton Sahi, Cuttack 1. Perm.—Vill. Mandapara, P.O. Jagatpur, District Cuttack.	...	Un.
7207	Moonje, Raghunath Dattatraya.	1919	B.Sc. (Nagpur—'39) LL.B (Nagpur—'41) M.Sc. (Calcutta—'48)	For the last 7 years teaching botany.	Pres.— Pratap College, Amalner, E.K. Perm.— Akot, District Akola, Berar.	Asstt. Prof. of Botany.	T-NG.
7208	Mukherjee, Panna Lall.	1920	B.Sc. (Calcutta—'41) M.Sc. (Calcutta—'48)	Since 1945 engaged in sunn hemp grading work.	Pres.— Directorate of Marketing & Inspection, Ministry of Agriculture, New Delhi. Perm.—Bharadwaj Bhawan, Banerjee Para Lane, Calcutta 31.	Inspector.	STO-G.
7209	Mukherjee, Subodh Gopal.	1908	B.Sc Hons. (Calcutta—'24) M.Sc. (Calcutta—'26) F.B.S (India)	26 years teaching work in botany.	Pres.—H.D. Jain College, Arrah, Bihar. Perm.— Nirmalabas, Mowna, P.O. Chapra, Distt. Saran, Bihar.	Prof. of Botany & Head of Biology Dept.	T-NG.
7210	Mukherji, Dhruba Kumar.	1924	B.Sc. Hons. (Calcutta—'44) M.Sc. (Calcutta—'46) Dip. Agric. (Cantab.—'48)	Improvement of crop plants by breeding, utilizing genetical science, agronomical trials, improved seed production, etc., published several papers. (Also registered under Plant Breeding & Genetics at S. No ST 3973 in Part I of the Volume)	Pres.—Maize & Paddy Research Station, State Agricultural Farm, P.O. Kalimpong, District Darjeeling. Perm.— Deb-Smriti, 17, Beni Mitter Lane, P.O. Sitpur, Howrah.	Asstt. Economic Botanist (Govt. of W B)	STO-G
7211	Mukherji, Kanai Lal.	1915	B.Sc. (Patna—'36) M.Sc. (Calcutta—'39)	8 years teaching work, published papers on cytology & morphology	Pres.—Krishnagar College, Krishnagar, W. Bengal. Perm.— C/o Soumitra Sanker Dasgupta, Santiniketan.	Lecturer in Botany.	T-NG.
7212	Murthy, Magal Hull Rao Srinivasa.	1924	B.Sc. Hons. (Mysore—'44) M.Sc. (Mysore—'45)	For the last 8 years teaching botany to intermediate and degree classes. Carried out research in plant cytology and published papers on the same.	Pres.—Samaldas College & Sir P.P. Inst. of Science, Bhavnagar. Perm.— Do.	Lecturer in Biology	T-NG.
7213	Nagarkar, Motiram.	1926	B.Sc. (Nagpur—'48) M.Sc. (Nagpur—'50)	...	Pres.— Sadar Bazar, Shiv Mandir, Nagpur. Perm.— Do.	...	Un.

## BOTANY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7214	Nair, P. Krishnan Kutty	1930	B.Sc. (Travancore —'50) M.Sc. (Banaras—'52)	Research work in palaeo- botany and pollen mor- phology.	Pres.— Birbal Sahni Institute of Palaeo- botany, Lucknow Perm.—O/o K.K.P. Pillay, Padigarathil House, P.O. Perunnal, Chau- ganacherry, Travancore.	Jr. Research Assistant	R-S.
7215	Narasimhachar, Seringapatam Govindaraj.	1910	M.Sc. Botany. (Mysore —'36)	Doing physiological and maturity trials on Egyp- tian cottons, published papers on embryology.	Pres.— Viswesvaraya Canal Farm, Mandya.	Physiological Assistant.	STO-(t).
7216	Narayan, K.N.	1913	B.Sc. Hons. (Mysore —'36) M.Sc. (Mysore—'46) Ph.D. Genetics. (Calif- ornia—'52)	Since 1942 teaching degree and postgraduate classes.	Pres.— Central College, Bangalore. Perm.— Do.	Asstt Prof. of Botany.	T-G.
7217	Narayana, Rama Reddy	1926	B.Sc. Hons. (Mysore —'48) M.Sc. (Mysore—'49)	For 3 years worked in the teaching line, at present doing research in plant morphology & cytology for doctorate	Pres.—Dept. of Botany, University of Delhi, Delhi 8. Perm.—Central College, University of Mysore, Bangalore 1.	Research Scho- lar	R-S
7218	Narayanan, C.R.	1908	B.A. Hons. Botany. (Madras)	24 years teaching work, publications on plant cytology.	Pres.—American College, Madurai. Perm.—66, Athimulam Pillai, Agraaharam, Madurai.	Lecturer.	T-N(t).
7219	Nathapati, Kishin Gobindram.	1929	B.Sc. (Bombay—'49) M.Sc. (Agra—'52)	...	Pres.— C-3/468, Lodi Road, New Delhi. Perm.—Baitul Aziz, Gha- tia Azam Khan, Agra.	...	Un
7220	Negi, Narendra Singh.	1929	B.Sc. Agri. (Agra—'49) M.Sc. Agri. spl. Plant Physiology, (Ban- aras—'51)	Doing research work in botany & physiology of sugarcane.	Pres.— Central Sugarcane Research Station, Pusa, Bihar. Perm.— Vill. Mohi, P.O. Dudharkhal, District Garhwal.	Sr. Research Assistant	R-G
7221	Ojha, Shakti Nath	1932	B.Sc. (Allahabad—'50) M.Sc. spl. Mycology & Plant Pathology. (Patna—'52)	...	Pres.—Mohalla Lakshmi Sagar, Darbhanga, Bihar Perm.— Do.	...	Un.
7222	Pal, Sankar Nath.	1925	B.Sc. (Andhra—'49) M.Sc. spl. Mycology & Plant Pathology. (Agra—'52)	...	Pres.— Seth Anandram Jaipuria College, Cal- cutta Perm.—123A, Ballygunge Gardens, Calcutta 19	Lecturer in Biology	T-N.G.
7223	Paliwal, R.L.	1928	B.Sc. Agri. (Agra—'47) M.Sc. Agri. (Agra—'49)	4 years teaching work.	Pres.— Balwant Rajput College, Agra. Perm.— Do.	Asstt. Prof. of Botany.	T-NG
7224	Parandekar, Shankar Atmaram.	1906	B.Sc. (Bombay—'27) M.Sc. spl. Plant Pathology & Myco- logy. (Bombay—'31)	Published books on botany & general science and papers on fungi, algae, phanerogams, etc	Pres.—Rajaram College, Kolhapur Perm.— Girja Bhawan, Main Road, 1, Rajaram- puri, P.O. Shahupuri, Kolhapur.	Prof. of Botany & Head of Biology Dept	T-NG

## BOTANY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7225	Parija, Frankrishna.	1891	B.Sc. (Calcutta—'19) M.A. (Cantab.—'20) F.N.I. (India) F.A.Sc. (India) F.N.A.Sc. (India)	Worked in various capacities as Prof. of Botany (1911-45), Principal Ravenshaw College (1938-45), Vice-Chancellor Utkal University (1943-48), Director of Agriculture Orissa (1945-48), Pro-Vice-Chancellor of Banaras University (1949-52), and as Pro-Chancellor, Utkal University since 1952. Carried out extensive research in the field of plant physiology and published several papers on the same.	Pres.—Utkal University, Cuttack. Perm.—10, Cantonment Road, Cuttack 1.	Pro-Chancellor.	Hon.
7226	Parthasarathi, K.L.	1917	B.Sc. (Andhra—'38) M.Sc. Agric. Bot. (Banaras—'40)	12 years teaching work.	Pres.—S.O.S. College, Puri. Perm.—O/o Sri K.V. Jagannathadas, Pleader, Aska, Distt. Ganjam.	Lecturer in Botany	T-G.
7227	Patel, Chhotabhai Marghabhai.	1909	B.Sc. (Bombay—'32) M.Sc. (Bombay—'36)	For the last 10 years working in teaching line.	Pres.—L D Arts College & M.G. Science Institute, Ahmedabad. Perm.—Vill. & P.O. Kanisa, Distt. Kaira, Gujarat.	Prof. of Biology.	T-NG.
7228	Phatak, Vinayak Govind.	1902	M.Sc. (Bombay—'29) Dr. es. Sc. Natural Sciences. (Montpellier, France—'35)	Since 1926 engaged in teaching work, at present guiding research in botany and teaching postgraduate classes. Published papers of botanical interest.	Pres.—M.S. University of Baroda, Baroda. Perm.—Adhyapak Niwas, University Road, Baroda 2	Reader & Head of the Dept. of Botany.	TR-SG.
7229	Pillai, S. Nagaraja.	1932	B.A. (Madras—'50) B.Sc. Hons. Botany. (Madras—'52)	...	Pres.—C/o Ratnam Tam-piraj, Ministry of Defence, New Delhi Perm.—Palace Gardens, Nagercoil.	...	Un.
7230	Rahmath Unissa.	1910	B.A. Botany. (Madras—'35) L.T. Nat. Science (Madras)	15 years teaching work in natural science.	Pres.—Govt. Secondary School for Muslim Girls, G T., Madras Perm.—89, Bangaru Naick Street, Ellis Road, Mount Road, Madras.	Head Mistress.	T-G.
7231	Raina, Hari Har Nath.	1920	B.Sc. (Allahabad—'39) M.Sc. (Allahabad—'41) L.T. (Allahabad—'42)	Since 1943 working in Opium Department.	Pres.—Shahjahanpur Perm.—Pili Kothi, Reed Ganj, Faizabad.	Distt. Opium Officer.	STO-G.
7232	Ramachandran, G.K.	1918	B.Sc. Hons. (Madras—'39) L.T. Phy. & Natural Sciences. (Madras—'41)	Since 1944 teaching botany to degree classes.	Pres.—Govt. Arts College, Mount Road, Madras 2. Perm.—96, Sarni Pillai Street, Triplicane, Madras 5.	Lecturer in Botany.	T-G.

## BOTANY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7283	Ramanathan, Keer-nam Ramachandra.	1910	B.Sc. Hons. (Madras—'38) M.Sc. (Madras—'37)	For 14 years carried out research work in the fields of morphology, cytology & taxonomy of algae and morphology & anatomy of sugarcane. Since 1947 engaged in editing and compilation work for the 'Wealth of India'. Published papers on algae and sugarcane anatomy. Specialised in economic botany of crop plants	Pres.—Publication Division, C.S.I.R., Old Mill Road, New Delhi Perm.— 64, Karuppa Goundan Street, Coimbatore.	Asstt. Editor (Botany)	Scientific editing & publication
7284	Ramanujam, O.G.K.	1931	B.Sc. (Andhra—'49) M.Sc. (Banaras—'51)	Studying the tertiary flora of South India.	Pres.— Birbal Sahni Institute of Palaeobotany, 53, University Road, Lucknow. Perm.— C/o K.V.L.N Chakrapani, R. Agra-baram, Guntur	Research Scholar.	R-S
7285	Ranganathan, B.	1924	B.Sc. Hons (1944) M.Sc. Cytology of yeasts. (1947) Ph.D. Cytogenetics (1951)	For the last 7 years engaged in investigations on the cytology & genetics of yeasts & fungi, published papers on the same (Also registered under Plant Breeding & Genetics at S.No ST 3898 in Part I of the Volume)	Pres.— Section of Fermentation Technology, Dept. of Biochemistry, Indian Institute of Science, Bangalore 3. Perm.— 236, Guttahalli Extension, P.O. Basavangudi, Bangalore 4.	Research Asstt	R-S.
7286	Rao, Hampapur Sesagiri Narayana.	1922	B.Sc. Hons. (Mysore—'47) M.Sc. (Mysore—'48)	...	Pres.—Jaswant College, Jodhpur. Perm.— Do.	Lecturer in Botany.	T-(4).
7287	Rao, Iruvanti Mukhyaprana.	1929	B.Sc. (Madras—'50) M.Sc. (Agra—'52)	...	Pres.— C/o I. Ramanna Rao, Garden House, Kovvur. Perm.— Do.	...	Un.
7288	Rao Kamarenu Veera-raghava.	1912	B.Sc. (Andhra—'32) M.Sc. (Mysore—'37) F.B.S. (India)	12 years teaching work in botany, published a treatise on taxonomy for intermediate students.	Pres.— W.G.B. College, Bhimavaram, District W. Godavari. Perm.— Navabpalem, Tal Tadepalligudem, West Godavari.	Lecturer in Botany.	T-No.
7289	Rao, Namagiril Gopala.	1926	B.Sc. (Andhra—'47) M.Sc. (Allahabad—'50)	Teaching botany to intermediate and degree classes.	Pres.— Govt Arts College, Madras 2 Perm.— Post Office Street, P.O. Tuni, Distt. East Godavari.	Asstt. Lecturer in Botany	T-(4).
7290	Rao, Navalcar Bholanath Sunder.	1906	B.Sc. (Bombay—'33) M.Sc. Plant Physiology, (Bombay—'36) Ph.D. Plant Ecology, (Bombay—'41) F.B.S. (India)	For the last 13 years teaching botany to undergraduate and post-graduate classes, published papers.	Pres.— Gujarat College, Ahmedabad. Perm.— Sri Bhuvan, 141, Princess Street, Bombay 2.	Lecturer in Botany.	TR-No.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7241	Rao, Kodange Ramesh	1915	B.Sc. Hons. (Madras —'37) M.A. Botany. (Madras —'48)	For 5 years carried out research in developmental anatomy, plant breeding & genetics of jute. Since 1947 working on wood anatomy and published papers on anatomy & genetics of jute and formation of growth rings in Indian trees.	Pres.— Wood Anatomy Branch, Forest Research Inst., P.O. New Forest, Dehra Dun. Perm.— Do.	Asstt. Wood Technology Officer.	R-G.
7242	Rao, Vadrevu Surya	1919	B.Sc. (Andhra—'41) M.A. Botany. (Madras —'50) B.Ed. (Andhra—'44)	9 years teaching work.	Pres.— Govt. Arts Col- lege, Anantapur. Perm.—Near Fort, Pitha- puram, East Godavari.	Asstt. Lecturer in Natural Science	T-G.
7243	Rhenius, Karuna	1919	B.Sc. (Madras—'42) B.Sc. Hons. Botany. (Madras—'48)	...	Pres.—Govt. Arts College, Madras. Perm.— 6, Marugesa Mudaliar Road, Thya- garoyanagar, Madras 17.	Demonstrator in Natural Science.	T-G.
7244	Roy, S K.	1928	B.Sc. Hons. (Delhi —'49) M.Sc (Agra—'51)	Besides teaching of botany doing research in embryology of angio- sperms and published papers on embryology.	Pres.— Dept. of Botany, Banaras University, Banaras. Perm.—C/o Dr. I.M. Roy, Connaught Circus, New Delhi.	Lecturer in Botany.	TR-SG.
7245	Roy, Sumarendra Prasad	1930	B.Sc. (Banaras—'50) M.Sc. (Allahabad—'52)	Doing research in sugar- cane physiology.	Pres.— Physiology Divi- sion, Central Sugarcane Research Station, Pusa, Bihar. Perm.—C/o Babu Jogen- dra Prasad, P.O. Gopal- ganj, Saran, Bihar.	Jr. Research Assistant.	R-G.
7246	Sahay, Mahesh Narayan.	1932	M.Sc. (Patna—'52)	Plant physiological re- search in fruits.	Pres.— Horticulture Sec- tion, P.O. Sabour, Bhagalpur. Perm.— House of Late B. Bachu Prasad, Chu- pra.	Assistant	R-G.
7247	Sahgal, A.C.	1913	M.Sc. (Allahabad—'36)	7 years teaching work.	Pres.—Govt. Degree Col- lege, Nainital. Perm.— Do.	Asstt. Prof. of Botany.	T-G.
7248	Sakseena, Birj Behari Lal.	1914	B.Sc. (Allahabad—'36) M.Sc. (Allahabad—'38) M.A. Economics (Agra—'53)	Teaching botany to degree classes.	Pres.—K.N. Govt. Degree College, Gyanpur, Distt. Banaras. Perm.—C/o Ratan Behari Lal, Mohalla Jaigarh, Aligarh.	Professor of Botany.	T-G.
7249	Saluja, R C.	1915	M.Sc. (Punjab)	12 years teaching work.	Pres.— Govt. College, Hissar. Perm.— Do.	Lecturer in Biology.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7250	Sankaran, Rama-chandra.	1903	M.A. Botany. (Madras—'36) Ph.D. Plant Physiology. (London—'36) D.I.C. (London—'36)	From 1926-47 carried out research in cotton and from 1947-52 worked in different capacities. Since 1952 working as Director of Research and Principal of Agriculture College, Gwalior.	Pres.— Madhya Bharat College of Agriculture, Gwalior. Perm.— Do.	Principal & Director of Research.	TR-G.
7251	Sankhala, Kailash Singh.	1925	B.Sc. (Rajputana—'48) M.Sc. (Rajputana—'50)	Carried out study and collection of vegetation of Jodhpur State.	Pres.— Sainiks Motors, Jodhpur. Perm.— Do.	...	Un.
7252	Santappa, H.	1908	B.Sc. (London) Ph.D. Botany. (London) D.I.C. (London) Ph.D. Philosophy. (Rome) F.N.I. (India) F.L.S. (London)	For the last 13 years teaching botany and since 1949 guiding research, published papers on plant systematics. Member of various botanical societies in India & abroad.	Pres.— St. Xavier's College, Cricokshank Road, Fort, Bombay 1. Perm.— Do.	Prof. of Botany & Head of Biology Dept.	TR-NG.
7253	Sarkar, Ramendra Krishna.	1898	M.A. Botany. (Calcutta—'23)	For the last 27 years teaching botany, specialization in systematic botany.	Pres.— Asutosh College, Calcutta. Perm.— 11 B, Ritchie Road, Calcutta 19.	Prof of Botany & Biology.	T-NG
7254	Sarma, Vedali Subbaraya.	1930	B.Sc. (Madras—'50) M.Sc. spl. Ecology. (Seugor)	...	Pres.— Powerpet, Ellore, Distt. West Godavari. Perm.— P.O. Kathunga, Tal Kothapeta, Distt East Godavari.	...	Un.
7255	Sastry, K S. Krishna.	1928	B.Sc Hons. (Mysore) M.Sc. (Mysore)	Agricultural crops with particular reference to sweet potatoes, groundnut and pulses.	Pres.— 585, Kempiah Block, Venkatarangapuram, Bangalore Perm.— Do.	Jr Research Assistant	STO-G
7256	Sawhney, Rup Chand.	1909	B.Sc. Hons. (Punjab—'29) M.Sc. (Punjab—'31)	For 15 years taught botany and carried out research in plant microbiology. At present compiling and editing scientific & technical information concerning 'Wealth of India'. Specialised in plant nomenclature and economic botany.	Pres.— Publications Division, C.S.I.R., Old Mill Road, New Delhi 2 Perm — Do.	Asstt Editor.	Scientific editing & publication.
7257	Saxena, Kishore.	1928	B.Sc. (Agra—'47) M.Sc. (Agra—'49)	Since 1949 teaching botany.	Pres.— D.A.V. College, Kanpur. Perm.— Do.	Lecturer in Botany	TR-NG.
7258	Sen, Nirad Kumar.	1917	M.Sc. (Calcutta—'39) D Phil Plant Physiology. (Calcutta—'51) Ph.D. Genetics. (California—'51)	10 years teaching and research work in botany, publications on plant physiology, plant breeding & genetics.	Pres.— Indian Inst. of Technology, Kharagpur. Perm.— I/G, Prince Golam Md. Road, Kalighat, Calcutta 26.	Lecturer in Botany.	TR-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7260	Sen, Pabitra Kumar.	1906	B.Sc Hons. (Calcutta—'27) M.Sc (Calcutta—'30) Ph.D Plant Physiology. (London—'38) D.I.C (London—'38)	Research & teaching work in plant physiology, agricultural plant physiology, horticulture and agronomy.	Pres.—Jhargram Agricultural College & Research Institute, P.O. Jhargram. Perm.— Do.	Principal & Prof. of Agriculture.	TR-SG.
7260	Sen Gupta, Nirmal Kumar.	1908	M.Sc. (Calcutta—'38)	6 years teaching work in botany and biology.	Pres.—Asutosh College, Calcutta. Perm.—28/1, Sreemohan Lane, Calcutta 26.	Prof. of Botany & Biology.	T-NG.
7261	Seshadri, Velliur Subramaniam.	1923	B.Sc Hons. (Anna-malai '49)	Since 1943 engaged in teaching work.	Pres.— King George's School, Post Box 88, Bangalore 1. Perm.—18, Veeraperumal Street, Madras 4.	Civil Gazetted Officer. (Army Educational Corps)	T-G.
7262	Sethi, Harish.	1931	B.Sc. (Punjab—'49) M.Sc (Allahabad—'59)	...	Pres.— C/o Capt. A.L. Sethi, 26, O.I. Camp, Dehra Dun. Perm.— C/o Dr. M.L. Sethi, Principal, Govt. College, Dharmasala, Kangra.	...	Un.
7263	Shab, Rajul Raojee-bhai.	1907	B.Ag. (Bombay—'30) M.Sc Botany (Michigan—'29) P.G. training in Animal Husbandry & Dairying (Bombay) P.G. training in Plant Breeding & Pathology. (U.S.A.) P.G. training in Tobacco cultivation and curing (U.S.A.)	Has worked in the fields of horticulture, tobacco & vegetable cultivation, sugarcane research, dairying, etc., published several papers on physiological studies in plants and of horticultural, agricultural & botanical interest.	Pres.—11, Modl Masjid Road, Taskar Town, Bangalore. Perm.—C/o Sri Arvind R. Shab, P.O. Umaoli, Distt Sangli	Chief Agricultural Research Officer.	R-I.
7264	Sharma, Bhagwan Das.	1927	B.Sc. (Agra—'50) M.Sc. (Agra—'52)	...	Pres.— C/o Tod Ram, Mursan Gate, Hathras. Perm.—C/o Har Prasad Sharma, 364, Boileau Ganj, Agra Cantt	...	Un.
7265	Sharma, Prakash	1927	B.Sc. (Agra—'45) M.Sc (Lucknow—'47)	Working on the morphology of centrospermales.	Pres.— Department of Botany, Meerut College, Meerut. Perm.— Do	Research Asstt	R-S.
7266	Sharma, Keshav Datt.	1917	B.Sc. (Lucknow—'37) M.Sc. Botany. (Lucknow—'39) Assoc.I.A.R.I. Economic Botany & Plant Breeding. (New Delhi—'41)	Doing research work on agronomy of sugarcane.	Pres.— Sugarcane Sub-Station, Patna. Perm.— 59, Alamganj, Bareilly, U.P.	Agronomist.	R-G.
7267	Shukla, Rudra Datt.	1931	B.Sc. (Agra—'51) M.Sc. (Agra—'53)	...	Pres.—Chodhari Mohalla, Ajmer. Perm.— Do.	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7268	Somasundaram, Tattamangalam Ramaswami Chet- tiar.	1921	B.Sc. (Aurangabad —'42)	For 4 years worked as Lecturer in Botany. Since 1948 engaged in organization & mainte- nance of the herbarium and the museum.	Pres.— Madras Forest College, P.O. R.S. Puram, Coimbatore Perm.— Do.	Herbarium Curator.	STO-G.
7269	Sood, Kamta Parasad.	1928	B.Sc. (Punjab—'46) B.Sc. Hons. (Punjab —'49) M.Sc. (Punjab—'51)	...	Pres. — Ramgarhia Col- lege, Phagwara. Perm — C/o Official Re- ceiver, Hoshiarpur.	Lecturer in Biology.	T-NG.
7270	Srinivasan, Kadayam Subbiah.	1912	M.A. Botany. (Mad- ras—'34) M.Sc. (Madras—'38)	Carried out research in Indian liverworts and algae, published papers on the same.	Pres.— Indian Museum, Botanical Survey of India, Calcutta. Perm.— Do.	Curator & Offi- cer in-Charge, Industrial Section.	STA-G.
7271	Srinivasan, Kesavan.	...	B.Sc. (Travancore —'45) B.Sc. Agri. (Banaras —'50) M.Sc. Agri. spl. Plant Physiology. (Banaras —'52)	Working on cashew-nut crop.	Pres.—Regional Cashew- nut Research Station, P O Kottakkara, Tra- vancore-Cochin. Perm.— Indira Bhawan, P.O. Muttom, Haripad, Travancore-Cochin.	Sr. Graduate Assistant.	STO-G.
7272	Srinivasan, Krishna- murthi.	1928	B.Sc. Agri. (Madras —'49)	Carried out plant breed- ing work in cotton, now engaged in botanical studies in saccharum spontaneum and other related grasses.	Pres.—Agricultural Col- lege & Research Insti- tute, Coimbatore. Perm.— 119, Karuppa Gounder Street, Coim- batore.	Jr. Assistant.	STO-G.
7273	Srivastava, Rajnish Chaudra.	1929	B.Sc. Agri. (Banaras) M.Sc. Agri. Plant Physiology. (Ban- aras)	Doing research in sugar breeding	Pres.— Botany Section, Central Sugarcane Re- search Station, Pusa, Bihar Perm.—Vill. Ramdaspur, Nevada, P.O. Jhajhpur.	Sr. Research Assistant	R-G
7274	Surinder Singh.	1921	B.Sc. (Punjab—'41) B.Sc. Hons. (Punjab —'43) M.Sc. (Punjab—'44) Training in Herba- rium. (Calcutta)	For 4 years worked in various research sche- mes, since 1960 teach- ing biology. Published papers on plant patho- logy.	Pres.— Randhir College, Kapurthala. Perm.— Paramjit Gunj, Kapurthala.	Lecturer in Biology.	T-G.
7275	Swami, Jagan Nath.	1895	M.Sc. (Punjab—'22)	Extensive experience in teaching of biology and organization of games & sports.	Pres.— Bhargava Mun- icipal College, Simla. Perm.— Plot No. 30-31, Basti Harphool Singh, Sadar Bazar, Delhi.	Prof of Botany.	T-SG
7276	Telpasayi, Elaswarapu Rama Sesha.	1927	B.Sc. (Andhra—'47) M.Sc. (Banaras—'49)	Since 1949 doing research in algae.	Pres.— Dept. of Botany, Banaras Hindu Uni- versity, Banaras Perm.—Elaswara's House, Bapatla	Lecturer in Botany,	TR-SG.
7277	Tandon, Sohan Lal.	1922	B.Sc. (Banaras—'43) M.Sc. Agri. Botany. (Banaras—'45) Assoc. I.A.R.I. Bo- tany. (New Delhi —'47) Ph.D., Botany. (Wa- shington—'52)	Teaching genetics, cyto- logy and plant breeding to degree and post- graduate students, pub- lished papers on cyto- genetics.	Pres.— Botany Dept., Delhi University, Delhi. Perm.— Do.	Lecturer in Botany	T-SG

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S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7278	Tandon, Virendra Kumar.	1929	B.Sc. (Agra—'50) M.Sc. (Lucknow—'52)	...	Pres.—O/o Kailash Narain Mehrotra, 15/249, Civil Lines, Kanpur. Perm.— Do.	...	Un.
7279	Telang, Dinkar Bhalchandra.	1928	B.Sc. (Bombay—'49) B.Sc. Hons. (Bombay—'51)	Teaching biology and doing research in embryology of angiosperms.	Pres.—Siddharth College, Bombay Perm.—O/o B.N. Telang, Hanuman Terrace, Tara Temple Lane, Lamington Road, Bombay	Demonstrator in Biology.	TR-NG.
7280	Thivy, Francesca, (Mrs.)	1904	B.A. Hons. (Madras—'26) L.T. Nat. Science. (Madras—'28) Ph.D. Botany. (Michigan—'45)	For 18 years worked in the teaching line. Since 1946 engaged in investigations on marine algae in India, published papers on the same.	Pres.— Central Marine Fisheries Research Station, Mandapam Camp, Dist. Ramanud. Perm.— Do.	Marine Algalogist.	R-G.
7281	Tiagi, Yagya Datta.	1930	M.Sc. spl. Mycology. (Agra)	3 years teaching work.	Pres.—Agra College, Agra Perm.— O/o Prof. B. Tiagi, Head of Botany Dept., Govt. College, Ajmer.	Lecturer in Botany.	T-SG.
7282	Tiwary, Nand Kumar.	1890	B.Sc. (Allahabad—'12) M.Sc. (Allahabad—'18) F.B.S. (India)	Retired after 38 years teaching work in botany. At present doing research on pollen grains of angiosperms. Published a large number of papers on embryology of angiosperms, biology of pollen grains and general botany.	Pres.— 18D, Prayag Street, Allahabad. Perm.— Do.	...	R-G.
7283	Toor, Phuman Singh.	1916	B.Sc. Hons. (Punjab—'38) M.Sc. (Punjab—'39)	...	Pres.— J J College of Science, Nadiad. Perm.— Vill. & P.O. Bhullarai, PEPSU.	Lecturer in Botany.	T-NG.
7284	Prakash.	1925	B.Sc. (1945) M.Sc. (1961)	Engaged in study of the morphology of Deccan Intertrappean flora.	Pres.— Birbal Sahni Institute of Palaeobotany, Lucknow. Perm.— 58, Aishbagh, Lucknow.	Research Scholar.	R-S.
7285	Varma, Shyama Charan.	1907	B.Sc. (Lucknow—'28) M.Sc. Botany. (Lucknow—'30) Ph.D. Botany. (London—'35)	Worked in the teaching line for 5 years, since 1942 engaged in research in sugarcane physiology; published papers in plant physiology and plant ecology.	Pres.— Sugarcane Research Station, Shahjahanpur. Perm.— Baksaray, Shahjahanpur.	Sugarcane Physiologist.	R-G.
7286	Varma, Singh.	1928	B.Sc. Agri. (Agra—'50) M.Sc. Agri. Botany. (Agra—'52)	...	Pres.— O/o Maharaj Singh, 22, Postgraduate Hostel, Govt Agricultural College, Kanpur. Perm.— Do.	...	Un.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7287	Venkataraman, G.	1918	M.A. Botany. (Madras—'35) M.Sc. Algology. (Madras—'39) L.T. (Madras—'40);	Besides teaching botany upto degree classes doing research in diatoms, published papers.	Pres.—Vivekananda College, Mylapore, Madras. Perm.— Do.	Prof. of Botany.	TR-NG.
7288	Venkatasubban, K. Ramasubban.	1909	B.Sc. (Banaras—'29) M.Sc. (Banaras—'31) L.T. (Madras—'33) Ph.D. (Annamalai—'49)	19 years teaching work in botany. Carried out research in cytobotany of angiosperms, published several papers on the same.	Pres.—Madras Christian College, Tambaram, Madras. Perm.— Do.	Addl. Prof. of Botany.	TR-NG.
7289	Venkataraman, Tiruvadi Sambasivayya.	1884	B.A. (Madras—'05) D.Sc. Honoris Causa (Andhra—'41) F.N.I. (India)	Carried out botanical research and hybridization work in crops for 4 years and in sugarcane for 31 years. Evolved several varieties by crossing sugarcane with bamboo and sorghum. Member of various sugarcane committees, and advising government on sugarcane matters. Published papers, memoirs and bulletins.	Pres.—56, Thayagaraya Road, Thayagaraynagar, Madras 17. Perm.— Do.	...	...
7290	Verma, Suraj Bhan.	1928	B.Sc. (Punjab—'49) M.Sc. (Aligarh—'51)	...	Pres.—Saraiya Street, Dalmia Dadri, PEPKSU Perm— Do.	...	Un.
7291	Vijayasarathy, Murari.	1910	B.Sc. (Andhra—'33) M.Sc. Agric. Botany. (Banaras—'36) Ph.D. Plant Physiology. (London—'50) D.I.C. Plant Physiology. (London—'50)	For 6 years carried out sugarcane breeding. Since 1950 directing and conducting research in sugarcane physiology and published papers on plant nutrition and sugarcane. (Also registered under Agri & Hort. at S No ST. 3912 in Part I of the Volume)	Pres.—Sugarcane Breeding Institute, P O Lawley Road, Coimbatore Perm.— N. Rattayya, Senivarapeta, District West Godavari.	Sugarcane Physiologist	R-G.
7292	Virendra Chandra	1928	B.Sc. Agric. (Allahabad—'46) M.Sc. Agric. Botany. (Allahabad—'48)	For 2 years carried out breeding work in maize. Now engaged in horticultural, agronomical & anatomical studies of medicinal plants. (Also registered under Plant Breeding & Genetics at S. No. ST 4032 in Part I of the Volume)	Pres.—National Botanical Gardens, Lucknow Perm.— C/o Ranbir Singh, Advocate, Nagina, Bijnor.	Sr. Scientific Assistant.	STO-SG.
7293	Vishnu Mittra.	1924	B.Sc. (Punjab—'44) M.Sc. sp. Paleobotany. (Banaras—'51)	For 5 years worked in teaching line, now doing palaeobotanical research; published papers on the same.	Pres.— Birbal Sahni Institute of Palaeobotany, Lucknow.	Sr. Research Scholar.	R-S

## BOTANY—Contd.

S. No. S.T.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7294	Viswanathau, K. R.	1931	B.Sc. Hons. (Madras —'52)	...	Pres.— St. Joseph's Col- lege, Teppakulam, Tri- chinopoly. Perm.—861, Single Street, Kalpathi, Palghat, S. Malabar.	Lecturer in Botany.	T-NG.
7295	Vivek Prakash.	1928	B.Sc. (Punjab —'48) M.Sc. (Banaras—'52)	...	Pres.— 65A, Khurbara, Dehra Dun. Perm.— Do.	...	Un.
7296	Wakhloo, Jawahar Lal.	1939	B.Sc. (Saugor —'50) M.Sc. (Patna—'52)	Engaged in studies on anatomy of sugarcane.	Pres.— Botany Section, Central Sugarcane Re- search Station, Pusa, Bihar. Perm.— C/o Dr. S.N. Wakhloo, Mahendru, Patna 6.	Sr. Research Assistant.	R-G.
7297	Widge, Sunder. Shyam	1924	B.Sc Hons. (Punjab —'46) M.Sc. (Punjab—'47)	5 years teaching work.	Pres.— D.A.V. College, Jullundur City. Perm.— Green House, Punjabi Road, Ambala Cantt.	Prof. of Bio- logy.	T-NG.
7298	Zachariah, Elizaba.	1911	B.A. (Madras—'38) M.A. Botany. (Mad- ras—'35) L.T. Natural Science. (Madras—'36)	18 years teaching work, published text books on biological sciences.	Pres.—Training College, Trivandrum. Perm.— C/o Rev. P.O. Zachariah, Missionary, Thycaud, Trivandrum.	Lecturer in Natural Science.	T-G.

# ZOOLOGY & ENTOMOLOGY

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7299	Arora, Gurur Lal.	1904	M.Sc. (Punjab—'26) D.I.C. Entomology, (London—'52) Ph.D. Entomology, (London—'52) F. Roy. Ent. Soc. (London)	Since 1927 teaching to degree classes and guid- ing research in zoology. Published books on practical zoology and papers on entomology.	Pres.— Zoology Dept., University College, Hoshiarpur. Perm.— Do.	Lecturer in Zoology.	TR-SG
7800	Asana, Jehangir Jamasji.	1890	M.A. (Bombay—'15) M.A. Tripos Part II Zoology. (Cantab. —'24) F.A.Sc. (India)	Retired as Professor of Biology from the Bom- bay Education depart- ment after 30 years service. Published papers on chromosome studies in Indian animals and plants.	Pres.— 29/1, Bund Gar- den Road, Poona Perm.— Do.	...	Rtd.
7801	Asthana, H.S.	1913	B.Sc. Hons. (Allaha- bad) M.Sc. (Allahabad) L.T. (Allahabad)	12 years teaching work.	Pres.— Th D.S.B. Govt. Degree College, Nainital. Perm.— Education Dept., Govt. of U.P., Lucknow.	Asstt. Prof.	T-G
7802	Bagal, Shrinivas Ramchandra.	1912	B.Sc. (Bombay—'36) M.Sc. (Bombay—'41)	Since 1939 doing ento- mological research, specialised in sugarcane entomology, published papers on agricultural entomology.	Pres.— Walchandnagar, Distt. Poona Perm.— Do.	Asstt. Ento- mologist.	R-G.
7803	Balasingh, J. Prince.	1917	B.Sc. (Madras—'40) B.Sc. Hons. (Madras —'48) M.A. Zoology. (Mad- ras—'52)	Besides teaching work (10 years) doing research (4 years) in isopods of Madras.	Pres.— Pachaiyappa's College, Chetput, Mad- ras 10. Perm.— Do	Asstt Prof of Zoology.	TR-NG.
7804	Balasubramanyam, C.S.	1909	B.A. (Madras—'30)	Carried out plant protec- tion work for 18 years, now teaching agricultural entomology to degree classes.	Pres.— Agricultural Col- lege, Bapatla, Madras.	Lecturer in Entomology	T-G.
7805	Bapat, Shambhu Venkatesh.	1924	B.Sc. (Bombay—'46) M.Sc. (Bombay—'48)	For the last 8 years do- ing research in biology of fishes, fish eggs, lar- vae; published papers.	Pres.— Central Marine Fisheries Research Sta- tion, P.O. Mandapam Omp, South India Perm.— C/o Shri V T Bapat, Vithalwadi, Near Head Post Office, Dharwar.	Research Asstt.	R-G
7806	Barbara, Achyut.	1925	B.Sc. (Banaras—'46)	Doing research work in sugarcane entomology.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.— Keaduguri, Jor- hat, Assam.	Sr. Research Assistant	R-G.
7807	Bardhan, Ranjan.	1926	M.Sc. (Calcutta—'49)	Published papers on endocrinology.	Pres.—St. Paul's College, Calcutta. Perm.—Dept. of Zoology, Calcutta University, 85, Ballygunge Circular Road, Calcutta.	Prof. of Zoo- logy.	T-NG.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7808	Basavaiah, Nanjundappa.	1916	B.Sc. (Mysore—'98)	Agricultural entomology and fisheries development work.	Pres.— Office of the Fisheries Officer, Animal Husbandry Dept., Bangalore. Perm.— Do.	Research Ass't.	STO-G.
7809	Basu, Chandra. Bhudeb	1900	B.Sc. (Calcutta—'21) M.Sc. (Calcutta—'23) D.Sc. Protozoology & Medical Entomology. (Calcutta—'35)	Carried out extensive research in medical and veterinary entomology, protozoology, micriobiology, parasitology, malariology and zoology; published papers on the same. Presided over the Zoology section of the Indian Science Congress in 1950.	Pres.—Indian Veterinary Research Inst., Izatnagar, Distt. Bareilly. Perm.—Vill. Pratapnagar, P.O. Arandi, District Hooghly, W. Bengal.	Research Officer. (Entomology)	TR-G.
7810	Batra, Hira Nand	1911	B.Sc. Agril. (Punjab—'31) Assoc. I.A.R.I. Entomology. (Pusa, Bihar—'34)	16 years work in economic entomology, published papers on the same.	Pres.— Directorate of Plant Protection, Quarantine & Storage, New Delhi. Perm.—Om Niwas, C-102, New Rajinder Nagar, New Delhi.	Technical Officer	STO-G.
7811	Bhargava, Haribar Nath.	1925	B.Sc. (Allahabad—'45) M.Sc. (Allahabad—'47)	Besides teaching zoology doing research in fishes	Pres.— University of Saugor, Saugor. Perm.—285, Old Katra, Allahabad 2.	Lecturer in Zoology.	TR-SG.
7812	Bhatia, D R.	1908	B.Sc. Hons. (Punjab—'29) M.Sc. (Punjab—'30) F.I. Ent. Soc.	For the last 20 years engaged in locust survey and control work, published papers on locust and cytology.	Pres.—Jodhpur. Perm.— Do.	Locust Entomologist.	R-G.
7813	Bhatia, Shewaram Choithram.	1916	B.Sc. Hons. Agril. (Bombay—'39) Assoc. I.A.R.I. Entomology. (New Delhi—'48)	Agricultural and medical entomology, published papers on insect toxicology.	Pres.—Malaria Organization, Connaught House, Poona 1 Perm.— 811, Ganj Peth, Poona 2.	Entomologist.	R-G.
7814	Bhatnagar, Swaroop.	1927	B.Sc. (Agra—'47) M.Sc. (Agra—'49) Assoc. I.A.R.I. Entomology. (New Delhi—'51)	Sugarcane entomology.	Pres.—Sugarcane Research Station, Shahjahanpur. Perm.— C/o Sri K.S. Bhatnagar, 165D, Bani Park, Kantichandra Road, Jaipur.	Sr. Entomological Asstt.	STO-G
7815	Bhattacharjee, Amiya Bhushan.	1929	B.Sc. (Calcutta—'49) M.Sc. (Calcutta—'51)	...	Pres.—Asutosh College, Calcutta. Perm.— C/o Ramesh Chandra Bhattacharjee, Vill. & P.O. Dandihat, Distt. 24 Parganas.	Lecturer in Zoology.	T-NG.
7816	Bhattacharya, Punyabrata.	1910	M.Sc. (Calcutta—'35) Ph.D. Animal Genetics. (Edinburgh—'38)	Conducting and guiding research work in animal genetics and advising on matters relating to animal breeding and cognate subjects, published several papers.	Pres.—Indian Veterinary Research Institute, Izatnagar, U.P. Perm.—Laban, Shillong.	Head of the Division of Animal Genetics.	STA-G. R-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7817	Bhorali, Jasodananda.	1926	B.Sc. (Calcutta—'47) M.Sc. (Calcutta—'49)	...	Pres.—Darrang College, P.O. Tezpur, Assam. Perm.—No. 41, P.O. Jor- hat, Assam.	Prof. of Zoology.	T-NG.
7818	Bolegowda, Bannur Nanjegowda.	1922	B.Sc. Hons. (Mysore —'46) M.Sc. (Mysore—'48)	Since 1946 serving as Lecturer in Zoology in the University of My- sore and at present engaged in cytological research on Indian spiders for doctorate	Pres.—Dept. of Zoology, Central College, Banga- lore. Perm.— Do.	Lecturer.	TR-SG
7819	Bonnell, Bonavis.	1894	B.A. Hons (Madras —'22) M.A. Zoology. (Mad- ras—'24)	For the last 31 years teaching zoology, dis- covered a new genus of amphibious centipede; published books on general zoology.	Pres.— Pachaiyappa's College, Madras. Perm.—'Bonanza', Aga- ram Road, Tambaram, Distt. Chingleput.	Prof. & Head of Zoology Dept.	T-NG.
7820	Bose, M.B.	1900	B.Sc (Calcutta—'21) M.Sc. (Calcutta—'23)	23 years teaching ex- perience of zoology to veterinary classes, pub- lished a booklet on bionomics of mosquito	Pres.—Bihar Veterinary College, Patna. Perm.— Do.	Asstt Prof. of Biology.	T-G.
7821	Chacko, M.J.	1928	B.Sc. (Madras—'49) M.Sc (Agra—'51)	Doing research in ento- mology.	Pres.—Indian Agricul- tural Research Institute, New Delhi. Perm.—O/o Mrs. C John, Madavana House, Tiru- valia, Travancore	Research Scho- lar.	R-S.
7822	Chacko, Thankamma.	1919	B.A. (Madras—'39) B.Sc. Hons. (Madras —'42) M.A. Zoology. (Mad- ras—'46)	8 years teaching work.	Pres.—Govt. Arts Col- lege, Madras Perm.—O/o P J Chacko, Asstt Director Fisheries, 6, Menad Street, Pur- walkam, Madras 7.	Asstt. Lecturer in Natural Science.	TR-G
7823	Chakrabarti, nendu.	Pur- 1918	B.Sc. (Calcutta—'40) M.Sc (Calcutta—'42)	Since 1944 doing fisheries development work.	Pres.— Burdwan, West Bengal Perm.—8/23, Fern Road, Ballygunge, Calcutta 19.	Fishery Officer.	STO-G.
7824	Chandra Bal.	1897	M.Sc. (Banaras—'28)	Since 1928 teaching zoology.	Pres.—Dept. of Zoology, Banaras Hindu Univer- sity, Banaras. Perm.— Mirpati-kh- Chawani, Near Tehsil, Meerut City.	Reader in Zoology.	T-SG.
7825	Chatterjee, Patit- pabon.	1909	M.Sc. (Calcutta—'34)	...	Pres.— Asutosh College, Bhowanipore, Calcutta. Perm.—64, Kali Banerjee Lane, Howrah.	Sr. Professor of Zoology.	T-NG.
7826	Chatterji, Abanindra Nath.	1927	B.Sc. (Allahabad—'49)	...	Pres.—1B, Bund Road, Allahabad 2. Perm.—17/62G, Tilbhan- deshwar, Banaras City.	...	Un.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks	
7827	Chatterji, Snehamoy.	1922	B.Sc. (Agra—'44) M.Sc. spl. Entomology. (Agra—'46) F. Roy. Ent. Soc. (London)	6 years teaching and research experience in entomology, published papers in entomology.	Pres.—Regional Director (Food), 8, Esplanade East, Eastern Region, Calcutta. Perm.— Entomology Divn., Indian Agricultural Research Inst., New Delhi.	Asstt. Director.	STA-G.	
7828	Chaturvedi, Kishan.	Jai	1930	B.Sc. (Saugor—'50) M.Sc. spl. Entomology. (Saugor—'52)	...	Pres.— 7/107, Swaroop Nagar, Kanpur. Perm.—C/o Jugal Kishore, P.O. Holipura, District Agra	...	Un.
7829	Chaturvedi, Dhar.	Lila	1928	B.Sc. (Rajputana—'49) M.Sc. (Agra—'51)	...	Pres.— C/o Shri G.L. Chaturvedi, 9, Balaji Quarters, Nawabganj, Kanpur. Perm.— Vill. & P.O. Holipura, Distt. Agra.	...	Un.
7830	Chauhan, Narendra Singh.		1929	B.Sc. Agri. (Agra—'50) M.Sc. Agri. Entomology. (Agra—'52)	...	Pres.—C/o G.S. Chauhan, Asstt Agricultural Engineer (Tube Wells), Kanpur. Perm.— 100/66, Prem Nagar, Dayalbagh, Agra	...	Un.
7831	Cheema, Singh.	Pratap	1919	B.Sc. Agri. (Punjab—'39) M.Sc. Agri Zoology. (Punjab—'45)	Since 1939 engaged in entomological research, published papers on sugarcane entomology.	Pres.— Technical Development Establishment Laboratories, P. Box 320, Kanpur. Perm.—Vill. & P.O. Kot Mohd. Khan, Tehsil Tarn Taran, District Amritsar.	Jr. Scientific Officer.	R-G.
7832	Chelliah, A. Kamalam.		1917	B.Sc Hons. (Madras—'47) M.A. Zoology (Madras—'49)	Worked for 5 years in teaching line.	Pres.— 10, Singanna Chetty Street, Chintadripet, Madras. Perm.— Do	...	Un.
7833	Chitrav, Brij Behari.		1927	B.Sc. (Agra—'50) M.Sc. (Agra—'52)	...	Pres.— St Joseph's College, North Point, Darjeeling. Perm.— C/o Dr. B.P. Saxena, Nursing Medical Hall, Farrukhabad, U.P	Professor of Biology.	T-NG.
7834	Daniel, Augustine.		1928	B.Sc. (Madras—'49) M.Sc. (Madras—'52)	Doing research in marine biology and published papers.	Pres.—Zoology Research Laboratory, Madras University, Madras Perm.— Do.	Research Scholar.	R-S.
7835	Das, Khagendra Nath.		1904	B.Sc. Hons. (Calcutta—'25) M.Sc. (Calcutta—'27)	For 14 years worked in the Zoological Survey of India. Since 1943 engaged in fisheries research development work, published papers on protozoa, crustacea and fishery.	Pres.— Central Inland Fisheries Research Station, Calcutta. Perm.—14, Sitanath Bose Lane, Salkia, Howrah.	Asstt. Research Officer. (Pond Culture)	R-G.

## ZOOLOGY &amp; ENTOMOLOGY--Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7886	David, Bliss Armstrong.	1929	B.Sc. (Agra-'50) M.Sc. spl. Entomology. (Agra-'52)	...	Pres.—Christian Colony, Anasagar Lake, Ajmer. Perm.— Do	...	Un.
7887	David, S. Kanakaraj.	1909	B.Sc. Agri. (Madras—'35)	Agricultural entomology.	Pres.—Agricultural College, Bapatla. Perm.— Do	Assistant.	STO-G.
7888	Dayanandan, M.G.	1921	B.Sc. (Travancore-'47)	Fishery survey.	Pres.— Central Marine Fisheries Research Station, Mandapam Camp, S. India. Perm — Santha Vilas, Alleppey, S Travancore	Assistant.	STO-G
7889	De, Nani Gopal.	1919	M.Sc. (Calcutta—'44)	...	Pres.—Asutosh College, Calcutta. Perm.—41/2/2, Serpentine Lane, Calcutta 14	Lecturer in Zoology.	T-NG.
7840	Deo, Prabhakar Gajananrao.	1921	B.Sc. (Nagpur—'42) M.Sc. (Bombay—'50)	Since 1944 engaged in helminthological research.	Pres.— Division of Parasitology, Indian Veterinary Research Institute, Izatnagar, U.P. Perm.— C/o Shree G B Deo, Advocate, Bhandara, M.P	Research Asstt.	R-G
7341	Desai, Mahadeo Prasad Harilal.	1908	B.Ag. (Bombay—'25) Training in Stores Preservation. (Kanpur)	Agricultural entomology, systematic & economic entomology, biological control of insect pests and preservation of stores.	Pres.— I.S.S.P.O., H.Q., Southern Command, Pooncha. Perm.—'Brahma Dhama', Mahudha, Distt Kaira	Jr. Scientific Officer	STO-G.
7342	Deshmukh, Abidhus-sain Rasulmiya.	1928	B.Sc. Agri. Hons. (Bombay—'49)	Agricultural entomology.	Pres.— I/c Entomology Section, Rice Breeding Station, Karjat, Distt Kolaba. Perm.—389, Shani Petb, Jalgaon, East Khandesh.	Agricultural Officer.	STO-G.
7843	Devendra Prasad.	1932	M.Sc. (Patna—'50)	8 years teaching work in zoology.	Pres.— Patna Science College, Patna 5 Perm.—C/o Sri P. Dayal, P. Dayal Lane, Patna 6	Asstt Prof.	TR-G.
7844	Dhillon, Bir Singh.	1920	B.Sc. Agri. (Punjab—'44)	Research work on insect pests of stored cereals.	Pres.—Govt Agricultural College, Ludhiana. Perm — Vill. & P.O. Daubla, Distt. Karnal, Punjab	Entomological Assistant.	R-G
7845	Dorniswami, Temina.	1915	B.Sc. (Madras—'35) L.T. (Madras—'36) M.A. Zoology. (Madras—'42)	Since 1936 teaching natural science.	Pres.—Queen Mary's College, Mylapore, Madras. Perm.—10, Mission Road, Bangalore City.	Asstt. Lecturer	T-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7346	D'souza, Iraeneus, George	1921	B.A. (Madras—'42) B.Sc. Agri. (Mysore —'50) Assoc. I A.R.I. Ento- mology. (New Delhi)	Engaged in survey of parasites of the pink boll worm and mass breeding of parasites to control this pest.	Pres.—Entomology Divn., Indian Agricultural Re- search Institute, Pusa, New Delhi 12. Perm.—O/o M. D'souza, Coffee Planter, Babhi- thloo Estate, P.O Joldal, Mysore State	Personal Asstt.	STO-G.
7347	Dutt, Ballesh Chan- dra.	1919	B.Sc. Hons. (Calcutta —'41) M.Sc. (Calcutta—'48)	From 1943-48 served in the Assam Educational Service. Since 1948 doing research in hel- minthology, published papers on the same.	Pres.—Division of Para- sitology, Indian Veteri- nary Research Inst., Izatnagar, Bareilly	Asstt. Research Officer.	R-G.
7348	Ganguly, Chandra, Subir	1930	B.Sc. Hons. (Calcutta —'49) M.Sc. (Calcutta—'51)	...	Pres.— Tamiluk College, Calcutta. Perm.—22A, Kaiburta- para Lane, P.O. Salkia, Howrah.	Prof. & Head of Biology Dept.	TR-NG.
7349	George, M.J.	1926	B.Sc. (Madras—'46) M.Sc. (Madras—'50)	For the last 3 years en- gaged in research on prawns	Pres.— Prawn Research Unit, Central Marine Fisheries Research Sta- tion, Narakkal, Cochin. Perm.— Malloothara House, Chellyozhukkam, Kottayam, T.C. State.	Research Asstt	R-G.
7350	George, Puthia- parampil Chacko.	1922	B.Sc. (Travancore —'44) B.Sc. Hons. (Madras —'47) M.A. Zoology (Mad- ras)	Doing research work in marine biology, fisher- ies and allied problems, publications on the same.	Pres.— Central Marine Fisheries Research Sub- Station, Kozhikode 5, S. India. Perm.— Puthiaparampil, Kumarakom, District Kottayam, T.C. State	Asstt. Research Officer	R-G.
7351	Gnanadickam, Gna- nambal. (Miss)	1904	B.A. (Madras—'25) L.T. (Madras—'28) M.A. Zoology. (Mad- ras—'31) A.M. Zoology. (Har- vard—'35)	22 years teaching work in zoology	Perm.—Women's Chris- tian College, Madras 6	Professor of Zoology.	T-NG.
7352	Gnanamuthu, C.P.	1901	B.A. (Madras—'29) M.A. Zoology (Mad- ras—'28) D.Sc. Zoology. F.Z.S. (London) F.Z.S.I. F.A.Sc. (India)	Since 1923 engaged in teaching and research work in zoology parti- cularly in marine zool- ogy, published several papers on morphology & physiology of am- phibia, reptiles and crustacean.	Pres.— Zoological Re- search Laboratories, University of Madras, Chennai, Madras. Perm.—65, Peter's Road, Madras 6.	Professor of Zoology.	TR-SG.
7353	Gout Narayan.	1927	B.Sc. (Calcutta—'50) M.Sc. spl. Fishery. (Calcutta—'59)	...	Pres.— P.O. Rajmahal, District Southal Par- ganas. Perm.— Do.	...	Un.
7354	Grover, Om Prakash.	1928	B.Sc. Hons. (Punjab —'48) M.Sc. (Punjab—'50)	Served as Lecturer in Zoology in Delhi Uni- versity. Knowledge of control of biological pests of military stores.	Pres.— I.A.F. Station, Pulgaon, M.P. Perm.— O/o Shri H.R. Grover, Grover Villa, Simla E.	Pilot Officer.	STO-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7855	Guha, Kumar, Pankaj	1981	B.Sc. (Allahabad-'50) M.Sc. (Allahabad-'52)	...	Pres.—C/o Shri D N. Guba, 45DA, Colonel- ganj, Allahabad 2. Perm.— Do.	...	Un.
7856	Gulam Ahmad, Belar Abdulwahab.	...	B.Sc. Hons. (Mysore —'32) M.Sc. (Mysore—'35)	Teaching zoology to degree classes for the last 15 years.	Pres.—Central College, Sr. Lecturer in T-G. Bangalore. Perm.— J-106, Muslim Block, Basavangudi, Bangalore 4.	Zoology.	
7857	Gupta, Purshotam Das.	1915	M.Sc. (Lucknow—'37) Ph.D. Entomology. (Lucknow—'48) F.Z.S.I.	Since 1939 teaching and doing research in zo- logy, published papers on the morphology of insects.	Pres.— University of Lucknow, Lucknow. Perm.— Do.	Lecturer in Zoology.	TR-SG.
7858	Gupta, Ramesh.	1929	B.Sc. (Rajputana—'48) M.Sc. spl. Helmintho- logy. (Allahabad —'50)	Doing research in helmin- thology.	Pres.— 71, Latouche Road, Lucknow. Perm.— Do.	Research Stu- dent.	R-S.
7859	Gupta, Anand Sada- shiv.	1921	B.Sc. (Bombay—'45) Training in Marine Fisheries. (Madras)	Since 1947 doing fisheries work, at present carry- ing on quick freezing of fish, beef and other perishable food stuffs.	Pres.—Cold Storage & Ice Tech. Asstt Factory, Sasseoon Docks, Colaba, Bombay 5 Perm.—252/8, Narayan Peth, Poona 2.	STO-G.	
7860	Gurdas Singh.	1917	B.Sc. Agri. (Punjab —'40) F.Ent.Soc I.	Serving in the Central Anti-locust Organiza- tion for the last 12 years on locust control work, published papers on locust control.	Pres.—Rani Bazar, Bika- ner, Rajasthan Perm.— Vill. Wadala, P.O. Ghakhalan, Distt. Jullundur.	Deputy Locust Entomologist	STO-G.
7861	Hajelay, Gopal Behari Lal.	1925	B.Sc. (Agra—'48) M.Sc. spl. Fisheries. (Agra—'50)	...	Pres.— 4292, Peepal Mandi, Agra. Perm.— Do.	...	Un.
7862	Haque, Mohammad Wasil.	1926	B.Sc. Agri. (Agra—'49)	Sugarcane entomology.	Pres.— Entomology Section, Central Sugarcane Research Station, Pusa, Bihar Perm.—Vill. Aral, P.O. Kanai Simri, Distt. Darbhanga, Bihar	Sr. Research Assistant.	R-G
7863	Har Swarup.	1921	B.Sc. (Agra—'44) M.Sc. (Agra—'46) Ph.D. Embryology of Fishes (Saugor—'53)	Since 1944 teaching zoology, at present taking degree classes and doing research on fishes.	Pres.— University of Saugor, Sagar. Perm.— C/o Shyam Behari Lal, Chobdar- pura, Bhopal.	Lecturer in Zoology	TR-SG.
7864	Israel, Ponnamma.	1908	M.A. Zoology. (Madras—'31) F.Roy.Ent.Soc. (London)	For 2 years worked in teaching line, 4 years in advisory capacity and 9 years in sugar- cane entomology. Since 1948 doing fundamental research on pests and parasites of paddy; pub- lished papers on sugar- cane entomology.	Pres.— Central Rice Research Institute, Cuttack 4.	Entomologist	R-G

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7865	Iyer, P.V. Seetharama.	1899	M.A. Zoology. (Madras—'91)	Since 1923 doing bacteriological, chemical & biological examination of water samples. Knowledge of medical entomology, helminthology, water purification methods, etc. and published papers on the same.	Pres.—King Institute of Preventive Medicine, Guindiy, Madras 15. Perm.—East Peruvamba, Palghat, S. Malabar.	Chief Water Analyst.	STO-G.
7866	Jain, Sohan Lall.	1931	B.Sc. (Agra—'50) M.Sc. (Lucknow—'52)	Doing research in helminthology.	Pres.— 16, Jahangirabad Mansions, Hazratganj, Lucknow. Perm.— 32, Darshani Gate, Debra Dun.	...	Un.
7867	Jaswant Singh.	1919	B.Sc. Agri. (Punjab—'40)	Since 1941 engaged in locust control work.	Pres.— Sikar. Perm.— Locust Sub-Station, Jodhpur.	Asstt. Locust Entomologist.	STO-G.
7868	John, Prakash Nath.	1930	B.Sc. (Agra—'50) M.Sc. spcl. Entomology. (Agra—'52)	...	Pres.— C/o Mr. P.N. John, I.V.R.I., Mukteswar-Kumaun. Perm.— Do	...	Un.
7869	John Joshua	1928	M.Sc. (Bombay—'52)	...	Pres.—O/o Employment Officer, Employment Exchange, Mercara. Perm.— 'Ivy Green', P.O Quilon, Travancore-Cochin.	..	Un.
7870	Johri, B.P.	1915	M.Sc. (Agra—'37) L.T. (Allahabad—'39)	Since 1939 engaged in teaching line, specialization in fresh water fisheries	Pres.—R.E.I. Degree College, Dayalbagh, Agra. Perm.— Do	Principal.	T-NG.
7871	Josen, Gurdip Singh.	1930	B.Sc. Agri. spcl. Entomology. (Punjab)	Bee keeping and control of crop insect pests.	Pres.— Govt. Bee Farm, Nagrota, Distt Kangra. Perm.— C/o S. Suran Singh, Khankot Co-operative Garden Colony, Distt. Amritsar.	Entomological Assistant.	STO-G.
7872	Joshua, Anna Kattumbagam.	1905	B.A. Hons. (Madras—'26) B.Sc. Hons. (London—'31) Received training in vertebrate embryology, marine biology & bacteriology.	Since 1926 teaching natural science. Published a text book of botany for school students and articles on 'Grow More Vegetable'.	Pres.— Queen Mary's College, Mylapore, Madras. Perm.— Do	Lecturer-in-Charge, Natural Science Dept.	T-G.
7873	Kadam, Madhav Vittal.	1922	B.Sc. Agri. (Bombay—'47)	Teaching agricultural entomology for the last 6 years.	Pres.— Entomology Section, College of Agriculture, Poona 5. Perm.— P.O. Lengrs, Tal. Khanapur, S. Satara.	Lecturer in Entomology.	TR-G.
7874	Kalkini, Anand Sheshgiri.	1919	B.Sc. (Bombay—'39)	For 4 years carried out teaching work in zoology. Since 1945 engaged in survey of the fishery.	Pres.— Central Marine Fisheries Research Station, Karwar, District North Kanara. Perm.—C/o S.M. Kalkini, Saraswatpur, Dharwar.	Survey Asstt.	STO-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7875	Kamalakshi, Sitaran.	1916	B.A. (Madras) M.A. Zoology. (Madras) L.T. Natural Science. (Madras)	7 years teaching work.	Pres.—Queen Mary's College, Mylapur, Madras. Perm.— 24, Ramanik Street, Nungumbekam, Madras.	Asstt. Lecturer in Natural Science.	T-G.
7876	Kapoor, Bhagat Gopal.	1929	B.Sc (Agra—'47) M.Sc. spl. Fishes. (Agra—'49)	Carrying out research in fishes for doctorate	Pres — 4901, Kucha Parmanand, Faiz Bazar, Delhi. Perm.— C/o Raghbir Prasad Kapoor, Shikhabad, Distt. Maipuri	Research Student.	R-S.
7877	Kasturirangan, L.R.	1910	M.A. Zoology. (Madras—'38) L.T. (Madras—'38) M.Sc. Zoology. (Madras—'42)	For 4 years carried out teaching work in zoology. Since 1947 engaged in research in marine biology.	Pres.—Central Fisheries Research Sub-Station, P.O West Hill, Kozhikode 5, Malabar Perm.— 2, East Mada Street, P.O. Lalgudi, Distt. Tiruchirapalli	Research Asstt.	R-G.
7878	Kaw, Bidh Lal.	1906	B.Sc. (Punjab—'26) M.Sc. Botany. (Allahabad—'28) M.Sc. Zoology. (Lucknow—'37) Ph.D. Helminthology. (Lucknow—'49) F.Z.S.I.	Since 1929 teaching biology, published papers on helminthology	Pres.—Sri Partap College, Sringeri. Perm.— Raipawari, Sri-nagar.	Professor & Head of Zoology Dept	T-G.
7879	Khanna, Dharam Vir.	1924	B.Sc. (Punjab—'45)	Since 1945 doing fisheries work.	Pres.—Batala, Punjab Perm.— C/o Dr Om Prakash Kapoor, Rajendra Hospital, Patiala.	Fisheries Research Asstt	STO-G.
7880	Khursheed Unnissa. (Miss)	1927	B.Sc Hons. (Mysore—'50) M.Sc. spl. Cytology. (Mysore—'51)	...	Pres.—Govt. College for Women, Guntur Perm — C/o Mr M A Shakir, No 8 A A , Subedar Husain Street, Royapettah, Madras 14	Asstt. Lecturer in Biology	T-G.
7881	Kittur, Sharaphoddi Ummansab.	1926	B.Sc. Agri. (Poona—'50) M.Sc. Agri. Entomology. (Poona—'52)	...	Pres.— Mastan-Safa, Old Hubli, Hubli, Distt Dharwar Perm.— Do.	...	Un
7882	Krishna Dutt.	1914	M.Sc (Agra—'36)	17 years teaching work.	Pres—Agra College, Agra Perm.— C/o Hardhan Sharma, Guard, Kasganj	Lecturer.	T-SG.
7883	Krishnam, Srinivasa- rao Manner.	1915	B.Sc. (Madras—'37) B.Sc. Hons. (Madras—'43) M.A. Zoology. (Madras—'47) B.T. (Madras—'47)	16 years teaching work to graduate and post-graduate classes.	Pres.— Govt. Training College, Mangalore Perm.—4, New Street, Dharapuram, District Coimbatore.	Lecturer in General Science	T-G.
7884	Krishnaswami, Seshayya.	1922	B.Sc. Agri. (Madras—'49) Assoc. I.A.R.I. Entomology. (New Delhi—'49)	Since 1947 engaged in research in economic entomology, particularly insect toxicology and chemical control of insect pests.	Pres.— Entomology Section, Agricultural Research Institute, P.O Lawley Road, Coimbatore. Perm. — Do.	Asstt in Entomology.	R-G

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7885	Kulkarni, Hanumant Laxman.	1920	B.Sc. Agri. Hons. (Bombay—'42) M.Sc. Agri. (Bombay —'48)  Training in the bio- logical control of sugarcane pests	For the last 11 years engaged in teaching and research in agricultural entomology, at present conducting investigations on insect pests of vegetables, tobacco, cotton and their control. Published papers of entomological interest.	Pres.—Institute of Agri- culture, Anand. Perm.—Balkrishna Ash- ram, Bhandarkar Insti- tute Road, Poona 4.	Prof. of Agri- cultural Ento- mology & Head of the Division of Entomology.	TR-G.
7886	Kulshreshtha, Jagdish Prasad.	1927	B.Sc. Agri. (Agra) M.Sc. Agri. Zoology & Entomology. (Agra)	8 years work in control of crop pests and dissen- ses.	Pres.—Plant Protection Sub Centre, Mohammadzai, Shahjahanpur. Perm.— C/o B. Gainda Lal Kulshreshtha, Sada- bad, Mathura.	Junior Plant Protection Assistant	STO-G.
7887	Kulshreshtha, Mai- thili Sharani.	1928	M.Sc. sp. Entomo- logy (Agra—'51)	...	Pres.—C/o H.N. Kulshre- shtha, Retd. Tehsildar, Har Nagar, Agra. Perm.— Do.	...	Un.
7888	Kushwaha, Kalyan Singh.	1924	B.Sc. Agri. (Agra—'49) M.Sc. Agri. Zoology. (Allahabad—'51)	For the last 8 years teaching to interme- diate and degree classes.	Pres.— S.K.N. Agricul- tural Institute, Jobner, Rajasthan. Perm.—Thikana-Dhand, P.O. Bayana, Rajasthan	Prof. of Zoo- logy & Ento- mology	T-G.
7889	Lakshmanan, Kot- tieth.	1914	B.Sc. Agri. (Madras —'35) M.Sc. Entomology. (Madras—'44)	For 8 years served in the entomology section of I.A.R.I. New Delhi and since 1946 engaged in storage and preservation work of service stores except ammunitions and explosives.	Pres.— Inter Services Stores Preservation Organization, T.D.E Taha, Kanpur. Perm.—Kottiyeth House, Tellicherry, N. Malabar	Sr. Scientific Officer.	STO-G
7890	Lamba, Karam Singh.	1905	B.Sc. Hons. (Punjab —'25) M.Sc. (Punjab—'26) Assoc. I.A.R.I. Ento- mology. (Pusa-Bihar —'29) Ph.D. Entomology. (Punjab—'52)	Since 1929 teaching zoology, published papers on the systematics and morphology of aleurodi- dae.	Pres.—College of Science, Nagpur. Perm.— Do.	Head of the Dept. of Zoo- logy.	TR-G.
7891	Lazarus, W H	1908	B.A. (Madras) M.A. Zoology. (Mad- ras) L.T. Nat. Science. (Madras)	11 years teaching work in zoology.	Pres.—St. Joseph's Col- lege, Tiruchirapalli. Perm.— Do.	Lecturer in Zoology.	T-NG.
7892	Magadi, Puttarud- riah.	1909	B.Sc. Hons. Zoology. (Mysore—'22) M.S. Entomology. (California—'48) Ph.D. Entomology. (California—'50)	During 20 years worked on economic entomo- logy of many crop pests particularly of sugar- cane and coffee. At pre- sent working on predato- rs in the biological control of insect pests and published papers of entomological interest.	Pres.—Dept. of Agricul- ture, Bangalore 1. Perm.—C/o M. Munि- yappa, School Master, Magadi, Bangalore City.	Joint Entomo- logist.	R-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7893	Majeed, M.A.	1902	M.Sc. (Lucknow—'26)	Since 1925 teaching zoology, now teaching upto M Sc. classes	Pres.— Science College, Patna. Perm — P.O. Harihaus, Distt. Baran, Bihar.	Prof. & Head of Zoology Dept.	T-G.
7894	Malhotra, Parkash. Chan	1925	B.Sc. (Punjab—'45) B.Sc. Hons. Zoology. (Punjab—'49) B.Sc. Agri. (Punjab—'50) M.Sc. Agri. Zoology & Entomology. (Punjab—'51)	8 years teaching work in biology & zoology.	Pres.—Central College of Agriculture, I.A.R.I., New Delhi Perm.— C/o Dr. Ram Labhayamal, Mian, Distt. Hoshiarpur.	Demonstrator in Entomology.	T-G.
7895	Manie, George Kushibhatil.	1920	B.Sc. (Travancore—'40) M.Sc. (Lucknow—'41)	Pest control, storage entomology, preservation of stores and equipment against biological deterioration, quarantine fumigation, de-lousing, etc.	Pres — Indian Navy Office, Vithal House, Mint Road, Bombay 1. Perm — C/o Mr K.M. Mathew, Puthenchathai, Trivandrum	Stores Preservation Officer.	STO-G
7896	Manna, Gobinda Keshore.	1926	B.Sc (Calcutta—'46) M.Sc. (Calcutta—'48) D.Phil. Zoology (Calcutta—'52)	Besides teaching doing research in cancer cytology, published papers on nuclear cytology.	Pres - Bangabasi College, Scott Lane, Calcutta 9. Perm.—92/1, Kumarpara Lane, Kashba, Calcutta 31.	Lecturer in Zoology,	TR-NG.
7897	Mansaramani, Dewan Khauchand.	1924	B.Sc. (Bombay) M.Sc. (Agra)	5 years teaching work in biology & zoology	Pres.— Holkar College, Indore Perm— 87, Palasia, Indore	Lecturer in Zoology.	T-G.
7898	Mauli, Daljit Singh.	1925	B.Sc. (Punjab—'47) B.Sc. Hons. Zoology. (Punjab—'49) M.Sc. (Punjab—'50)	Since 1950 teaching zoology and doing research in cytology & morphology of mosquito	Pres — Khalsa College, Amritsar. Perm — 'Jas Naranjan Niwas', Near Deepak Theatre, Post Office Road, Ludhiana	Lecturer in Zoology.	TR-NG.
7899	Meenakshi, V.R.	1923	B.Sc (Madras - '47) B.Sc Hons. (Anna-malai—'50) M.Sc. (Annamalai—'52)	...	Pres.—C/o V.R. Krishnan, Advocate, Tellicherry. Perm.— Do.	...	Un
7900	Mehdi, Imam Syed.	1929	B.Sc. (Aligarh—'49)	Since 1949 working in sugarcane entomology.	Pres.—Entomology Section, Central Sugarcane Research Station, Pusa, Bihar. Perm.— P.O. Sherghati, Distt. Gaya	Jr. Research Assistant.	STO-G.
7901	Mehta, Dev Raj.	1905	B.Sc. Hons. (Punjab—'26) M.Sc. Entomology. (Punjab—'27) Ph.D. Entomology. (Gantab.—'31)	From 1934-39 conducted research work on sand flies and on typhus. 1939-49 research work on malaria and insects of medical & public health importance, 1949-todate working on malaria and public health entomology. Published several papers on the same Member of various malaria and public health committees.	Pres — Health Dept., Govt. of Punjab, Ochterlony House, Karnal. Perm.— Do.	Entomologist-cum-Malaria-logist	R-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7402	Menon, K.P. Kochukutta.	1908	M.A. Zoology. (Madras—'33) L.T. Nat. Science. (Madras—'43)	Since 1933 teaching zoology.	Pres.— Presidency College, Madras. Perm.— "Devi Villa", Yakkara, Palghat, S. Malabar.	Asstt. Prof. of Zoology.	T-G.
7403	Menon, Krishna M.	1906	M A Zoology. (Madras—'30) M.Sc. Zoology. (Madras—'35)	For 12 years carried out teaching work in zoology. Since 1947 doing research on prawn and crab fishery, published papers on the life history of decapod crustaceans.	Pres.— Prawn Research Unit, Central Marine Fisheries Research Station, Narakkal, Travancore-Cochin. Perm.— Do.	Asstt. Research Officer.	R-G.
7404	Menon, Mannoore Gopal Ramdas.	1913	B Sc. (Bombay—'34) Ph.D. Zoology. (Bombay—'40) F. Roy. Ent. Soc. (London—'48)	For 6 years worked in the teaching line. Since 1940 engaged in systematic & applied entomological work, published papers.	Pres.— Directorate of Plant Protection & Quarantine Station, Madras Harbour Perm.— Kannalayam Bungalow, Maradu, Travancore-Cochin.	Entomologist.	STO-G.
7405	Menon, P. Balarama.	1914	B A. (Madras—'35) Certificate in Malariology. (Delhi—'44)	From 1937-46 carried out research work in malariology. At present engaged in studies on anthropods of veterinary importance and teaching entomology to postgraduate classes, published papers.	Pres.— Division of Parasitology, Indian Veterinary Research Institute, Izatuagar, Bareilly. Perm.— Do.	Asstt. Research Officer. (Entomology)	TR-G.
7406	Mishra, R.L.	1927	B.Sc. (Saugor—'49) M.Sc. (Saugor—'51)	..	Pres.— Holkar College, Indore. Perm.— 18, Martand Chauk, Indore.	Lecturer in Zoology.	T-G.
7407	Misra, Jai Narain	1922	B.Sc. (Lucknow—'41) M.Sc. spl. Entomology. (Lucknow—'43)	Since 1943 doing research on the biology, morphology, physiology & control of insect pests affecting stores and toxicology of various insecticides.	Pres.— Biological Branch, Technical Development Establishment Laboratories, P.B. No. 320, Kaupur. Perm.— Do.	Sr. Scientific Assistant.	R-G.
7408	Misra, Rajendra Kumar.	1926	B.Sc. (Allahabad—'47) M.Sc. spl. Fish & Otology. (Allahabad—'51)	..	Pres.—C/o Shri G P. Jain, 7, Ronak Hostel, 31, Canning Road, Allahabad. Perm.—C/o Beni Madhava Misra, Vill. Busara, P.O. Jahanabad, Distt. Fatehpur.	...	Un.
7409	Misra, Surendra Deo.	1921	B.Sc. (Banaras—'41) M.Sc. (Lucknow—'43) Ph.D. Entomology. (Lucknow—'51)	Since 1944 teaching zoology and now teaching entomology to post-graduate classes.	Pres.— Department of Zoology, Saugar University, Sagar. Perm.— Do.	Lecturer in Zoology.	T-SG.
7410	Misra, Yash Prakash. (Capt.)	1920	M.Sc. spl. Fisheries. (Agra—'48)	5 years work in preservation of defence stores from biological and non-biological deterioration.	Pres.— Inter Services Stores Preservation Organization, H.Q. Western Command, New Delhi. Perm.—C/o Gopi Nath Misra, Chipaety, Etawah.	Jr. Scientific Officer.	STO-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. Sl.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7411	Mitra, Prabhas Kumar.	1928	B.Sc. (Calcutta—'43) M.Sc. (Calcutta—'45)	10 years teaching & research work in zoology.	Pres.—Jhargram Agricultural College, Jhargram, Distt. Midnapur, Bengal.	Lecturer in Agricultural Zoology.	T-G.
7412	Mitra, Ram Dhan. (Oapt.)	1913	B.Sc. (Calcutta—'35) M.Sc. spl. Comparative Anatomy. (Calcutta—'37) Certificate in Malaria-logy. (Delhi—'42)	14 years applied entomological work including anti-malarial operations for 4 years, published a number of papers of varied entomological interest and on sand-flies	Pres.—Armed Forces Medical College, Poona 4. Perm—151, Cripner Road, P O Konnagar, West Bengal.	Entomologist.	TR-G.
7413	Mohamed Basheer.	1910	B.Sc. (Aligarh '31) M.A. Entomology. (Stanford — U.S.A. —'48) F.I. Ent. Soc. (1947) Training in biological control of crop pests. (U.S.A.) Training in Bee keeping. (Coimbatore)	17 years agricultural entomological work, now doing research on sugarcane entomology and biological control of crop pests, published papers on biology & control of crop pests.	Pres.—Agricultural Research Institute, P.O. Lawley Road, Coimbatore Perm.—Do.	Asstt. Entomologist. (Sugarcane Scheme)	R-G.
7414	Mohammad Emad-uddin,	1920	B.Sc. (Osmania—'43) M.Sc. spl. Fisheries. (Osmania—'45) M.S. Entomology, Parasitology & Bacteriology. (Michigan —'51)	Teaching parasitology, protozoology, helminthology & entomology to veterinary students.	Pres.—Dept. of Parasitology, College of Veterinary Science & Animal Husbandry, Osmania University, Hyderabad. Perm — Do.	Lecturer in Parasitology.	T-G.
7415	Mookherjee, Fulin Bihary.	1915	B.Sc. (Patna—'37) Assoc. I.A.R.I. Entomology. (New Delhi —'48)	15 years work in biological and chemical control of insect pests.	Pres.—Division of Entomology, I.A.R.I., Pusa, New Delhi Perm — C/o Shri B K Banerjee, 16, Circus Range, P.O. Ballygunj, Calcutta.	Research Asstt.	R-G.
7416	Mookherji, Piyushanu Sekhar.	1924	B.Sc. (Calcutta—'45) M.Sc. (Calcutta—'47) D.Phil. Fisheries. (Calcutta—'51)	Published papers concerning ichthyological and fisheries problems.	Pres.—Surendranath College, 24, Harrison Road, Calcutta 9 Perm.—V.H. & P.O. Jamalpur, Distt. Burdwan.	Lecturer in Zoology.	TR-NG.
7417	Moona, Jagdish Chandra.	1929	B.Sc. (Agra—'50) M.Sc. spl. Entomology. (Agra—'52)	...	Pres.—Adarsh Nagar, Ajmer Perm.— Do.	...	Un.
7418	Moorthi, Bhupalam Krishna.	1923	B.Sc. (Madras—'46) B.Sc. Hons. Zoology. (Madras—'48) M.Sc. (Madras—'51)	Doing fishery biological research work.	Pres.—Central Marine Fisheries Research Station, P.O. Pamban, Distt. Ramanad Perm.— 86, Kalamma Street, P.O. Brucepet, Bellary.	Research Asstt.	R-G.
7419	Motghare, Dajiba Sakharamji.	1924	B.Sc. (Nagpur—'46) M.Sc. (Nagpur—'48)	Since 1948 teaching zoology	Pres.—V.M.V. College, Amravati. Perm.—Kitalipeth, P.O. Armori, Distt. Chauda.	Lecturer in Zoology.	T-NG.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7420	Munshi, Jyotiswarup Datta.	1930	M.Sc. (Patna—'52)	...	Pres.— Science College, Patna. Perm.—C/o Sri Sachindra Nath Datta, Pleader, P.O. Laheriasarai, Distt. Darbhanga.	Lecturer in Zoology.	TR-G.
7421	Nadkarni, Narayan Trimbak.	1902	B.Ag. (Bombay—'25)	27 years work in agricultural entomology, plant protection and plant breeding with reference to insect resistance, published papers on cotton bollworms.	Pres.—Institute of Plant Industry, Indore. Perm.— Ankola, Distt. N. Kanara, Bombay State.	Entomologist.	R-G.
7422	Nagappan Nayar, Kumara Pillai.	1927	B.Sc. (Madras—'48) M.Sc. (Madras—'51)	Systematic work on amphipods and bivalves.	Pres.— Central Marine Fisheries Research Station, P.O. Mandapam Camp. Perm.—Radhamandirum, Neyattinkara, Travancore-Cochin.	Research Asstt.	STO-G.
7423	Nagarajan, Kolingavadi Ramaswami Iyer.	1911	B.Sc. Agri (Madras—'33)	Since 1942 doing agricultural entomological work, particularly biological control of important insect pests of crops.	Pres.—Agricultural College, Coimbatore. Perm.— Agricultural Dept., Govt. of Madras, Madras.	Assistant in Entomology.	STO-G.
7424	Nagarajan, S.	1917	B.Sc. Agri. Hons. (Bombay—'39)	Serving as Plant Protection Officer, Govt. of Saurashtra. At present undergoing training in entomology at I.A.R.I., New Delhi.	Perm.—Dept. of Agriculture, Govt. of Saurashtra, Rajkot.	Plant Protection Officer.	R-G.
7425	Naik, Nanubhai Lalubhai.	1923	B.Sc. (Bombay—'47) M.Sc. (Bombay—'49)	Since 1947 teaching biology.	Pres.— J. & J. College of Science, Nadind. Perm.—P.O. Mota, Distt. Surat.	Lecturer & Head of the Dept. of Biology.	T-NG.
7426	Nair, N. Balakrishnan.	1927	B.Sc. Hons. (Madras—'49)	4 years work of teaching zoology to degree classes.	Pres.—Dr. Alagappa College, Ramnad. Perm.— Mangalath House, Kayanculum, Travancore.	Lecturer in Zoology.	TR-NG.
7427	Nair, P. Velayudhan.	1930	B.Sc. (Travancore—'49) M.Sc. spl. Entomology. (Banaras—'51)	...	Pres.— 4, New Hostel, Banaras University, Banaras. Perm.—Kannankulangara, Kalithvana, Alleppey.	...	Un.
7428	Naqvi, Syed Zulfaquer Haider	1925	B.Sc. (Patna—'45) B.Sc. Agri. spl. Entomology. (Agra)	Since 1949 doing research on entomological problems of sugarcane.	Pres.—Central Sugarcane Research Station, P.O. Pusa, Distt. Darbhanga Perm.— P.O. Kujhwa, Distt. Saran, Bihar.	Sr. Scientific Assistant.	R-G.
7429	Narsimha Prasad, Malur Ramaewamy Iyenger.	1923	B.Sc. Hons. (Mysore—'44) M.Sc. (Mysore—'49)	Teaching zoology and studying reproduction of the field rats. (Tatera indica)	Pres.— Central College, Bangalore. Perm.— Do.	Lecturer in Zoology.	TR-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7430	Narawane, Digambar Damodar.	1915	B.Sc. (Bombay—'38) M.Sc. (Bombay—'44)	Worked for 7 years in teaching zoology.	Pres - C/o M V. Hattangadi, Govt. Quarters, Ghatkopar. Perm.— Do.	...	Un.
7431	Naresh Singh.	1928	M.Sc. spl. Entomology.	...	Fres.—C/o Shri Ganesh Singh, D.I.G. Police, Jodhpur. Perm.—C/o Thakur Audh Behari Singh, Mokha Pada, Kotah.	...	Un.
7432	Niazi, Iqbal Ahmad.	1928	B.Sc. (Aligarh—'46) M.Sc. spl. Entomology. (Aligarh—'51)	...	Pres.—15/299, The Mall, Kanpur Perm.— Do.	...	Un.
7433	Nirula, Kanwal Krishan.	1917	B.Sc. Hons. (Punjab—'38) M.Sc. (Punjab—'39) Assoc. I.A.R.I. Entomology. (New Delhi—'42)	Conducting and guiding research on the biology & control of coconut pests, published papers on economic entomology.	Pres.—Central Coconut Research Station, Kayangulum. Perm.—38, Sheocharan-lal Road, Allahabad.	Entomologist.	R-G.
7434	Oohi, Ailaney.	1926	B.Sc. Agri. (Agra—'49)	3 years plant protection work.	Pres.—Plant Protection Centre, Buxipur, Gorakhpur. Perm.— Do.	Jr. Plant Protection Asstt	STO-G.
7435	Oka, Usha Gangadhar	1930	M.Sc. (Nagpur—'52)	...	Pres.—C/o Dr. G G. Oka, Dy. Director of Veterinary Services, Amravati. Perm.— Do.	...	Un.
7436	Owers, N.	1926	B.Sc Hons. (Nagpur—'48)	Since 1948 teaching zoology upto M.Sc. classes, doing research on nutrition of foetus in mammals	Pres.—College of Science, Nagpur. Perm.— Do.	Lecturer in Zoology.	TR-G.
7437	Pali, Niadar Singh	1919	B.Sc. Agri. (Punjab—'42)	Agricultural entomology.	Pres.—Entomology Section, Agriculture College, Ludhiana. Perm.— Vill. & P.O. Kuttana, Distt. Rohtak	Agricultural Assistant.	STO-G.
7438	Pande, Bindeshri.	1910	B.Sc. (Allahabad) M.Sc. (Allahabad) D.Sc. Helminthology. (Allahabad)	For 10 years taught agricultural zoology, now teaching parasitology to veterinary students.	Pres.—College of Vet Science & Animal Husbandry, Mathura. Perm.—C/o L D. Pande, Advocate, Almora.	Prof. of Parasitology.	T-G.
7439	Pant, Chandra Prakash.	1932	B.Sc. Agri. (Agra-'50) M.Sc. Agri. Zoology (Agra—'52)	...	Pres—4, Special Quarters, Agricultural College, Kanpur. Perm.— Vill & P.O. Dania, Distt. Almora.	Research Fellow.	R-F.
7440	Pant, Narendra Chandra.	1924	B.Sc. Agri. (Agra-'44) M.Sc. Agri. Entomology. (Agra—'46) D.I.C. Entomology. (London—'50) Ph.D. Entomology. (London—'50) F.Roy. Ent. Soc.	Teaching and guiding research in zoology, specialization in economic entomology.	Pres.—Dept. of Zoology, University of Delhi, Delhi 8. Perm.—8/94, Arya Nagar, Kanpur.	Lecturer in Zoology.	TR-SG.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7441	Parameswaran, Krishnaier.	...	B.Sc. (Annamalai-'47) M.Sc. (Bombay—'51)	2 years teaching work in zoology.	Pres.—Govt. Arts College, Mangalore. Perm.— C/o S Krishna Iyer, Advocate, Thodupuzha, Travancore-Cochin.	Demonstrator in Zoology.	T-G.
7442	Parthasarathy, Mand- yam Dhaji.	1912	B.Sc. Hons. (Mysore) M.Sc. (Mysore)	...	Pres.— Central College, Bangalore. Perm.— C/o Central Pharmacy, Basavangudi, Bangalore.	Lecturer in Zoology.	T-G.
7443	Patel, Narayan Ganesh.	1928	B.Sc. Agri. Hons. (Bombay—'50) M.Sc. Agri. Entomo- logy. (Poona—'52)	For the last 3 years working in the Insecticides scheme of the I.C.A.R. for the survey, bionomics & control of insects and trial of various insecticides.	Pres.—College of Agriculture, Poona 5. Perm.— Near Ambaji Mata, Viramgam, Distt. Ahmedabad.	Entomological Officer.	STO-SG
7444	Patel, Raojbhai Motibhai.	1914	B.Sc. Agri. Hons. (Bombay—'37) M.Sc Agri. Entomo- logy. (Bombay—'50) Ph.D. Agri. Entomo- logy. (Gantab — '53)	Since 1939 engaged in research in agricultural entomology.	Pres.—Entomology Section, College of Agriculture, Poona 5. Perm.— C/o Ambalal Kishorbhai Patel, Javia, P.O. Savli, District Baroda.	Lecturer in Agri. Entomology.	TR-G.
7445	Pathak, Bhagwati Prashad.	1924	B.Sc. (Agra—'46) M.Sc. spl. Entomo- logy (Agra—'51)	3 years teaching work in zoology.	Pres.—M.B. College of Agriculture, Gwalior. Perm.—C/o Murli Dhar Pathak, Tejendra Nath Ki Gali, Lobia Bazar, Lashkar, Gwalior.	Demonstrator in Zoology.	T-G.
7446	Patuaik, Sahadeb.	1921	B.Sc. (Andhra)	...	Pres.—Balasore.	Distt. Fishery Officer	STO-(+).
7447	Patro, Jaya Chandro.	1922	B.Sc. (Andhra—'44)	3 years work in pisciculture.	Pres.—Cuttack. Perm.— Karan Street, Patlakimedi, District Ganjam, Orissa.	Distt. Fishery Officer	STO-G.
7448	Paul, Ramendra Krishna	1927	B.Ag. (Dacca—'48)	Since 1949 engaged in entomological work, at present working on the toxicology of insecticides and studying control measures for termites.	Pres.—Biological Branch, Technical Development Establishment Labs., P. Box No. 320, Kanpur.	Jr. Scientific Assistant	STO-G.
7449	Paul, Vidyavati. (Mrs.)	1920	M.Sc. (Lucknow—'44) Ph.D Zoology. (Luck- now—'48)	Published several papers on oligochaeta and fishes.	Pres.— Queen Mary's School, Tis Hazari, Delhi. Perm—49B, New Mandi, Musaffarnagar.	Prof. & Head of Biology Dept.	T-NG.
7450	Pawar, Jaywantrao Ganpatrao.	1928	B.Sc. Agri. (Agra—'50)	Since 1950 engaged in entomological research.	Pres.— Dept. of Agriculture, Govt. of Madhya Bharat, Gwalior Perm. Mama-ka-Bazar, Lashkar, Gwalior.	Entomologist.	R-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7451	Perti, Shyamla.	1920	B.Sc. (Lucknow—'37) M.Sc. (Lucknow—'41)	Toxicology of insecticides, biology & control of insects and physiology of insects.	Pres.— Entomological Section, Technical Development Establishment Labs, Kanpur. Perm.— 11/224, Souterganj, Kanpur.	Sr. Scientific Assistant.	STO-G.
7452	Phanuel, George Jayasingh.	1927	M.A. Zoology. (Madras—'50)	2 years teaching work in entomology to post-graduate classes.	Pres.— Madras Christian College, Tambaram, Madras. Perm.— 18, Malayappan Street, Mannady, Madras 1.	Lecturer in T-NG Zoology,	
7453	Pillay, Velaudhan Namibiar Narayana. (Major)	1912	B.Sc. Agri. (Madras—'35)	Worked for 2 years in the Inter Services Stores Preservation Organisation and now doing inspection of general stores. Knowledge of pest control.	Pres.— S-1, Hastings, Calcutta 22 Perm.— Nedu Veli House, Mannar, Travancore-Cochin.	...	STO-G
7454	Ponunswami, Mandana Krishniah.	1915	B.A. (Madras—'38) L.T Nat. Science. (Madras—'40) B.Sc. Hon's. Zoology (Madras—'46)	Worked for 5 years as Natural Science Teacher. Now for the last 7 years doing entomological work.	Pres—C/o Plant Protection Adviser, Directorate of Plant Protection, Quarantine & Storage, New Delhi Perm.— 11/25, Teppakulam Street, Coimbatore	Tech. Asstt.	STO-G
7455	Prabhu, M. Sudha-kara.	1922	B.Sc. (Madras—'45) M.Sc. Fishery Biology. (Madras—'52)	Since 1947 engaged in research in fishery biology.	Pres — Central Marine Fisheries Research Station, P.O. Mandapam Camp. Perm.—C/o M R. Prabhu, Shanta Bhavan, Palace Road, Mattancheri, Cochin.	Research Asstt	R-G.
7456	Pradhan, Laxmikant Balkrishna.	1909	B.Sc. (Bombay—'31) M.Sc. (Bombay—'35)	For 10 years worked in the teaching line. Now doing research in biology of Indian mackerel, published papers on fisheries.	Pres.—Mackerel Research Unit of Central Marine Fisheries Research Station, Karwar, Bombay State. Perm.— 575 1/2, Kusum Kuuj, Jame Jamshed Road, Matunga, Bombay 19.	Asstt. Research Officer	R-G.
7457	Prakash Sarup.	1931	B.Sc. (Agra—'50) M.Sc. sp1 Entomology (Agra—'52)	...	Pres—C/o Sri Chaitanya Sarup Saxena, 89 D, Tagore Road, New Delhi Perm.— C/o Sri Jwala Shanker, 100/13, Prem Nagar, Dayalbagh, Agra.	...	Un
7458	Prasad, Ram Narain.	1926	B.Sc. Agri. (Patna—'49)	2½ years entomological work in sugarcane pests	Pres.—Entomology Section, Central Sugarcane Research Station, P.O. Pusa, Darbhanga, Bihar Perm.— Vill. Jainagar, P.O. Nawtan, District Champaran, Bihar	Sr. Research Assistant	R-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7459	Prasad, Govind. Vikram	1923	B.Sc. Agril. (Allahab- ad—'46) M.Sc. Agril. Zoology spl. Entomology. (Allahabad—'48) Assoc. I.A.R.I. Ento- mology. (New Delhi —'52)	For the last 5 years doing research in sugar- cane entomology, pub- lished papers of varied entomological interest.	Pres.—Entomology Sec- tion, Central Sugarcane Research Station, Pusa, Bihar. Perm.— C/o Dr. R.G. Prasad, Mirzapur	Sr. Entomo- logical Asstt.	R-G.
7460	Prithvi Pal Singh.	1919	B.Sc. (Lucknow—'40) M.Sc. spl. Fisher- (Agra—'51) L.T. (Allahabad—'42)	11 years teaching expe- rience.	Pres.— 19, Rest Camp, Dehra Dun. Perm.—P.O. Bachhrawan, Distt. Rae-Bareli.	Lecturer in T- Zoology.	
7461	Punwani, Dayaldas Metharam.	1924	B.Sc. (Bombay—'45) Training in Marine Fisheries. (Madras —'46) F.Z.S. (London)	Fishery biology and fish culture.	Pres.—Suite No. 9, Indus Court, A-Road, Church- gate, Bombay 1. Perm.— Do.	Fishery Survey Assistant.	STO-G.
7462	Purohit, Manohar Lal.	1923	B.Sc. Agril. (Nagpur —'45) Assoc. I.A.R.I. Ento- mology. (New Delhi —'48) F.Roy. Ent.Soc.	5 years agricultural entomological work.	Pres.—Dept. of Agricul- ture, Gwalior. Perm.— Do.	Entomologist	TR-G.
7463	Puttarudraiah, Ma- gadl.	1909	B.Sc. Hons. (Mysore —'32) M.S. Entomology. (California—'48) Ph.D. Entomology. (California—'50)	For the last 20 years working on various aspects of applied ento- mology. Knowledge of insectary management. Published papers on economic entomology.	Pres.—Division of Ento- mology, Dept. of Agricul- ture, Bangalore 1. Perm.— 206, III Cross, Guttahalli, Bangalore 4.	Joint Ento- mologist.	R-G.
7464	Radhakrishnan, Nar- kunji	1929	B.Sc. (Madras—'49) M.Sc. spl. Parasito- logy. (Aligarh—'52)	...	Pres.—C/o Dr N. Achu- than, 'Clifton', Near Y.M.C.A., Kozhikode. Perm.— Do.	...	Un.
7465	Raihoudhury, Debi- prasad.	1906	B.Sc. Hons. (Calcutta —'26) M.Sc. (Calcutta—'28) Ph.D. Applied Ento- mology. (London —'33) D.I.C. (London—'39) F. Roy. Ent. Soc. F.I. Ent. Soc.	For 10 years served as Lecturer in zoology in Calcutta University. Since 1942 conducting & guiding research in sericulture; published papers on zoology & applied entomology, insect sterility & insect physiology and sericul- ture & silk industry.	Pres.—P.O. Berhampur, Murshidabad Perm.— Do.	Dy. Director of Industries & Officer-in- Charge, Cen- tral Sericul- ture Research Station.	STA-G R-G.
7466	Raina, D.R.	1906	M.Sc. (Punjab—'31)	...	Pres.— D.A.V. College, Ambala City. Perm.— Vill. & P.O. Gadiara, Distt. Kangra.	Lecturer in Biology.	T-NG.
7467	Rajan, Samuel Jeys.	1922	B.A. Zoology. (Mad- ras—'45)	Since 1947 engaged in collection of fishery statistics and fish bio- nomics.	Pres.— Central Marine Fisheries Research Station, P.O. West Hill, Kozhikode 5. Perm.— 4, Spur Tank Road, Egmore, Madras 8.	Fishery Survey Assistant.	STO-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7468	Rajani, Vishnudas Gordhandas.	1913	B.Ag. (Bombay—'36)	For 15 years served in the Dept. of Agriculture Sind. Now doing re- search on sugarcane pests.	Pres—Main Sugarcane Research Station, Shah- jahanpur. Perm.—Near Sadar Bazar, Shahjahanpur.	Entomological Assistant.	R-G.
7469	Rajasekharasetty, Madhav Ramaliu- gam.	1919	B.Sc. Hons. (Mysore —'48) M.Sc. (Mysore—'45) M.A. Cytology & Genetics. (Columbia —'50) Ph.D. Cytogenetics & Animal Breeding. (Columbia—'52) F.Z.S. (London)	Since 1949 teaching zo- logy to degree and post- graduate classes and guiding research.	Pres.—Central College, Bangalore. Perm.—C/o M.V. Rama- lingam, Bangarapet, Mysore State.	Lecturer in Zoology.	TR-G.
7470	Remakrishna, G.	1922	B.Sc. Hons. (Mysore —'44)	Doing research in sys- tematics, zoo-geography and bionomics.	Pres—Zoological Survey of India, 34, Chittaran- jan Avenue, Calcutta 12 Perm.—276, Link Road, Seshadripur, P.O. Malleswaram, Bangalore 8.	Assistant.	R-G.
7471	Rama Moorthy, Kam- badur.	1919	B.Sc. Hons. (Mysore —'46)	7 years teaching work in zoology to intermediate and degree classes.	Pres.—Govt. Arts College, Araupur Perm—C/o Lakshmi Narasinha Rao, Karnum, Uddihal, P.O. Bomma- nahal, Distt. Bellary.	Asstt. Lec- turer.	T-G.
7472	Rama Murthy, Kan- nepalli Vizia.	1923	M.Sc (Allahabad—'46)	6 years teaching work.	Pres—College of Science, Raipur. Perm.—C/o M.V. Sanya- sayya, Pleader, Lanku Street, Vizianagram, Distt. Visakhapatnam.	Lecturer in Zoology	T-G.
7473	Ramamurthy, Subra- maniam.	1929	M.A. Zoology. (Mad- ras—'51)	...	Pres — 1, Kasi Viewan- nathar Street, Mam- balam West, Madras 17. Perm — Do.	Research Scho- lar.	R-S.
7474	Ramaswamy, Kuman- dur Raghavachar.	1928	B.Sc. Hons. (Mysore —'48) M.Sc (Mysore—'49)	Besides teaching zoology doing research in re- productive physiology of mammals.	Pres.—Zoology Dept., Hilshop College, Nagpur Perm—O/o K.R. Raghava- char, Advocate, Balepat, Bangalore City.	Lecturer & Head of Zoo- logy Dept.	TR-G.
7475	Ram Govind.	1931	B.Sc. Hons. (Delhi —'50) M.Sc. spl. Entomo- logy. (Aligarh—'52)	...	Pres — 7-B, Timarpur, Civil Lines, Delhi 8. Perm — Do	...	Un.
7476	Ram Pal Singh.	1927	M.Sc Agri. Zoology. (Agra—'50)	2 years teaching work.	Pres—Govt Agricultural College, Kanpur. Perm.— 194, Shahganj, Unnao, U.P.	Demonstrator in Zoology	T-G
7477	Ranganathan, K.	1927	B.Sc. (Annamalai—'48)	Since 1948 teaching zoology.	Pres.—Alagappa College, Karaikudi. Perm.— 55, New Street, Chidambaram.	Demonstrator in Zoology	T-NG.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. St.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7478	Rangarajan, Krishna.	1926	B.Sc. (Annamalai-'46)	Working in the pisciculture scheme of the I.O.A.R.	Pres.— Zoology Lab., Annamalai University, Annamalainagar, Madras State Perm.—17, Second Street, Ramnagar, Devakottai, Distt. Ramnad	Research Asst.	R-S.
7479	Rao, B.K. Padmanabha.	1924	B.Sc. (Madras—'48) M.Sc. (Lucknow—'45)	8 years applied entomological work.	Pres.—Imperial Chemical Industries (India) Ltd., 18, Strand Road, Calcutta, Perm.— Do.	Entomologist.	STO-I.
7480	Rao, Halleppanavar Narain Laxman.	1923	B.Sc. Agri. (Bombay—'46)	Since 1946 doing entomological work.	Pres.—College of Agriculture, Dharwar. Perm.—C/o Laxmanrao Halleppanavar, P.O. Kalghatgi, Distt Dharwar	Demonstrator.	T-G.
7481	Rao, K.R. Mohana.	1924	B.A. Chem. (Madras—'42) B.Sc. Agri. (Madras—'46)	Since 1946 teaching agricultural entomology	Pres.—Agricultural College, Bapatla. Perm.— C/o K Prasada Rao, 3rd Line, Brodipet, Guntur.	Asstt Lecturer in Entomology	T-G.
7482	Rao, Kotapalli Virabhadra.	1910	B.Sc. Hons. (Madras—'33) M.Sc. (Madras—'37) L.T. Nat. Science (Madras—'38) M.A. Zoology. (Madras—'46)	For 11 years taught zoology to degree classes, now doing research on molluscs of the Indian marine waters, published papers on molluscs.	Pres—Molluscs Research Unit, University Laboratories, Chepauk, Madras. Perm.— Do	Molluscs Research Officer.	R-G.
7483	Rao, Krishna Murthy Bhupalam	1928	B.Sc. Agri. (Andhra—'49)	Doing research in sugar-cane entomology and insect pests.	Pres.—Office of the Asstt. Entomologist, Bodhan, Distt. Nizamabad. Perm.—C/o B H Rama-chandra Rao, Old Town, Anantapur	Entomology Assistant	R-G
7484	Rao, Thammajirao Ramachandra.	1907	B.Sc. (Mysore—'28) M.Sc. (Calcutta—'30) D.Sc. (Calcutta—'50) F.R.S.T.M & H. (London) F.I. Ent. Soc.	Carried out extensive research in the field of medical entomology and malariology; published several papers on biology & control of mosquitoes, epidemiology of malaria and cytology of grass hoppers. Recipient of Rockefeller Foundation Fellowship in 1945-46.	Pres.— Virus Research Centre, Post Box No 11, Poona 1. Perm. — Entomologist, Malaria Organisation, Bombay State, Poona 1.	Medical Entomologist.	R-G.
7485	Rao, Vellandria Tirumala.	1909	B.Sc. Agri. (Madras)	28 years research and field work in economic entomology, publications on the same.	Pres.—Agricultural College & Research Institute, Lawley Road, Coimbatore. Perm.—Lakshmi Bhavanam, Frenchpet, Masulipatam, Distt. Krishna.	Govt Entomologist & Prof. of Entomology.	TR-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7486	Rao, Venkata Surya Prakasa Gurram.	1928	B.Sc. (Andhra—'48) M.Sc. spl Entomo- logy. (Rajputana —'50)	...	Pres.—C/o Sri B. Satya- nandam, 24/334B, Dananripeta, Rajah- mundry Perm.—Bendamurlanka, Amalapur, District E. Godavary	...	Un.
7487	Rao, Yelsetti Ram- chandra.	1885	M.A. Zoology. (Madras—'07) F. Roy. Ent. Soc. F.I. Ent. Soc. F.A.Sc. (India)	27 years research in locust and economic entomology and pub- lished many papers on the same. At present editing the Indian Jour- nal of Entomology.	Pres.—29/1, Nagasandra Road, P O Basavan- gudi, Bangalore 4. Perm.— Do	...	Retd.
7488	Rao, Yerramilli Seshagiri.	1928	B.Sc. (Andhra—'48) M.Sc. spl Entomo- logy. (Calcutta—'51)	Studying the bionomics of major pests of paddy.	Pres.—Entomology Divn., Central Rice Research Institute, Nayabazar, Cuttack 4. Perm.—C/o Sri Y C Raw, Digumurtivari Street, Bhapur, Berhampur, Distt Ganjam.	Research Asstt.	R-G.
7489	Rawat, Anurag Saran.	1930	B.Sc. (Agra—'50) M.Sc. (Agra—'52)	...	Pres.— Govt College, Ajmer. Perm.— C/o J L Rawat, Kaiser Ganj, Ajmer.	...	R-S
7490	Ray, Harish Chandra.	1910	B.Sc. Hons. (Calcutta —'27) M.Sc. (Calcutta—'29) D.Phil. Zoology. (Calcutta—'49)	Since 1933 doing research, at present working on the systematics of mol- luses, published papers mainly in malacology.	Pres.— Zoological Survey of India, 34, Chittaran- jan Avenue, Calcutta. Perm.— Do	Asstt. Zoo- logist.	R-G.
7491	Reddi, Akepati Ramakrishna.	1918	M.A. Zoology. (Madras—'38) Ph.D. Zoology. (Anna- malai—'38)	16 years teaching work in zoology, published papers.	Pres.— S. V. College, P O Tirupati, Distt Chittoor. Perm.—Patur, P.O. Nan- dalur, Distt. Cuddapah.	Vice-Principal & Professor.	T-NG
7492	Rege, R.L.	1917	M.Sc. spl. Entomo- logy. (Agra—'50)	7 years teaching work.	Pres.— Holkar College, Indore. Perm.— 60, Municipal Road, Indore.	Sr. Lecturer in Zoology.	T-G.
7493	Rishi Pal.	1929	B.Sc. (Agra—'49) M.Sc. (Agra—'61)	...	Pres.— Room No. 5, Naraini Dhamashala, Parade, Kanpur. Perm.—C/o Dhamashala Head Loco Filter In- charge, 20, Central Road, Tundla.	...	Un
7494	Roy Chowdhury, Ajit Kumar.	1922	B.Sc. Hons. (Calcutta —'42) M.Sc. (Calcutta—'44) Training in marine fisheries. (Madras)	7 years fisheries work, published paper on fish culture.	Pres.—50A, Theatre Road, Calcutta Perm.— Berhampore Sta- tion Road, P.O. Berham- pore, Distt. Murshid- abad	Distt. Fishery Officer.	SFO-G.
7495	Saini, Ajit Singh.	1929	B.Sc. Hons. (Delhi —'50) M.Sc. spl. Entomo- logy. (Agra—'62)	...	Pres.—35, Mahabat Khan Road, New Delhi. Perm.— Vill. & P.O. Hariana, Hoshiarpur.	...	Un.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks	
7496	Sajjan, Sarwan Singh.	1928	B.Sc. Agri. (Punjab —'60)	Plant protection work.	Pres.—Rohtak, Perm.—Vill. Mehranpur, P.O. Sialba, District Ambala.	Plant Protection Inspector.	STO-G.	
7497	Sakseena, Narayan.	Jagat	1925	B.Sc. (Nagpur—'47) M.Sc. (Nagpur—'49)	Since 1949 teaching zoology.	Pres.—College of Science, Raipur. Perm.—C/o Shri Gokul Prasad Sakseena, Pauni, District Bhandara.	Lecturer in Zoology.	T-G.
7498	Sakseena, Chandra	Satish	1932	B.Sc. (Agra) M.Sc. (Agra)	...	Pres.—C/o Shri H.D. Sakseena, Naib Tehsildar, Atrauli, District Alligarh. Perm.—Kothi, Near Head Post Office, Etah.	Lecturer.	T-
7499	Samuel, Mary.		1914	B.A. (Madras—'36) B.Sc. Hons. (Madras —'38) M.Sc. (Madras—'41)	Served in the Madras University for 8 years Now working on sharks and rays fishery of the Indian coast Published papers and books on fishery and sharks.	Pres.—Central Marine Fisheries Research Station, Mandapam Camp, Distt Ramanad. Perm.—C/o P.V. Samuel, Cherukole, P.O. Mavelikara, Travancore.	Asstt Research Officer	R-G.
7500	Samuel Raj, J.		1919	B.A. (Madras—'39) B.Sc. Hons (Madras —'41) M.A. (Madras—'46) M.Sc. (Madras—'48) F.Z.S. (London) F. Roy. Ent. Soc.	Since 1941 teaching zoology & carried out research on Indian glow-worm and published papers on the same. Now working on 'Fly maggots'.	Pres.—Alegappa College, Karaikudi. Perm.—C/o S. Joshua, 'Anugraha Vilas', Muttada, P.O. Pattom, Trivandrum.	Prof. & Head of Zoology Dept.	TR-NG.
7501	Sandhu, Singh.	Joginder	1923	B.Sc. Agric. (Punjab —'46)	Sugarcane entomology.	Pres.—Sugarcane Research Station, Jullundur. Perm.—Vill. & P.O. Sandhuan, District Jullundur.	Agricultural Assistant.	STO-G.
7502	Sandhu, Singh.	Makhan	1930	B.Sc. Agric. (Punjab, —'49)	Agricultural entomology.	Pres.—Govt. Agricultural College, Ludhiana. Perm.—Vill. Muchrowal, P.O. Pachranga, Distt. Jullundur.	Assistant	STO-G.
7503	Sane, Prabhakar Ramchandra.		1922	M.Sc. (Nagpur—'46) Training in Inland fisheries, (Calcutta)	Development of fisheries in fresh waters.	Pres.—Civil Lines, Raipur Perm.—C/o R.V. Sane, Narasimha Niwas, Khaspade Bagicha, Amravati.	Asstt. Fishery Development Officer.	STO-G.
7504	Santhendaraman, Thi- ruvengadathiyor.		1916	B.Sc. Agri. (Madras —'42)	Since 1948 doing agricultural entomological work	Pres.—Agricultural Research Station, Aduthurai. Perm.—C/o T. Rajagopala Iyenger, Agricultural Bacteriologist, Lawley Road, Coimbatore.	Assistant.	STO-G.
7505	Sardul Singh.		1921	B.Sc. Agric. (Punjab —'41)	11 years anti-locust operations work.	Pres.—Ranibazar, Bikner. Perm.—C/o Locust Sub-Station, Jodhpur.	Locust Technical Officer.	STO-G.

## ZOOLOGY &amp; ENTOMOLOGY--Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7506	Sarkar, Amal Kumar.	1927	M.Sc. (Calcutta—'50)	...	Pres.— 4, Kuchil Sarkar 1st Lane, Kadamtala, Howrah. Perm.— Do.	Lecturer in Biology.	T-
7507	Sarker, Himeshnu Lal.	...	B.Sc. (Calcutta—'35) M.Sc. (Calcutta—'38) Training in applied fishery. (Calcutta)	For 7 years carried out teaching & development work in fisheries and now teaching zoology to degree and post- graduate classes.	Pres.— Zoology Depart- ment, Delhi University, Delhi. Perm.— 177, Upper Cir- cular Road, Shambazar, Calcutta 4.	Lecturer in Zoology.	T-SG.
7508	Satpathy, Jagann- mohan.	1927	B.Sc. Agri. (Andhra —'60) Assoc. I.A.R.I. Ento- mology. (New Delhi —'52)	Doing research in ento- mology.	Pres.— 64, New Hostel, I A R I, New Delhi 12 Perm.—C/o J.K. Satpathy, Vill. Sindhupur, P.O. Haladis, Distt. Cuttack.	...	R-
7509	Satyana Rayana, Ama- jala Veera Venkata.	1926	B.Sc. (Andhra—'46)	6 years fisheries work.	Pres.—C/o Asstt. Director of Fisheries, Visakh- apatnam. Perm.—O/o Sri Amajala Sreeramulu, Indanavari Street, Salipeta, Kaki- nada.	Fishery Survey Assistant.	STO-G.
7510	Saxena, Hanuman Prasad.	1923	B.Sc. (Allahabad—'44) M.Sc. spl. Entomo- logy. (Allahabad —'46)	Doing research in agri- cultural entomology.	Pres.— Section of the Entomologist to Govt., Agriculture College, Nawabganj, Kanpur Perm.— Do.	Entomological Assistant.	R-G.
7511	Saxena, Krishna Behari Lal.	1923	B.Sc (Agra—'45) L.T. (1949) M.Sc. spl. Fishes. (Agra—'52)	...	Pres — C/o Shri Shiam Behari Lal, Asstt. Clerk, M.L.K. Girls Inter Col- lege, Bagh Muzaffar Khan, Agra. Perm — Do.	...	Un.
7512	Saxena, Mahendra Narain.	1926	B.Sc. (Agra—'48) M.Sc. spl. Entomo- logy. (Agra—'50)	...	Pres — Holkar College, Indore. Perm.— C/o Dr K.N. Saxena, 3035, Nai Basti, Agra.	Sr. Lecturer in Zoology.	T-G.
7513	Saxena, Malati.	1926	B.Sc. (Allahabad—'47) M.Sc. spl. Fishes & Cytology. (Allahabad —'49)	3 years teaching work.	Pres —C1-8, River Bank Colony, Lucknow. Perm.— C/o Balmukand Sahai, Advocate, Civil Lines, Budshah.	Lecturer in Biology.	T-
7514	Seetharaman, S.	1930	B.Sc. Hons. (Madras) M.A. Zoology. (Mad- ras—'50) Assoc. I.A.R.I. Ento- mology. (New Delhi —'52)	...	Pres —Division of Ento- mology, I.A.R.I., New Delhi 12.	...	Un.
7515	Sekharan, Karimpana Vayalil.	1925	B.Sc. (Madras—'47) M.Sc. (Madras—'51)	Carrying on investi- gations on the pelagic fisheries of the Mandapam region, published papers on the fat con- tents of fishes.	Pres.— Central Marine Fisheries Research Sta- tion, P.O. Mandapam Camp. Perm.—Karimpana Vaya- lil House, P.O. Puthup- panam, N. Malabar.	Research Ass'tt	R-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7516	Sen Gupta, Gokul Chandra.	1923	B.Sc. Agril. (Allahabad—'46) Assoc. I.A.R.I. Agril. Entomology. (New Delhi—'48)	4 years research in agricultural entomology.	Pres.—Cuttack, Orissa. Perm.—Mahaanga, Distt. Cuttack.	Entomologist.	R-G.
7517	Sen Gupta, Nirmal Sankar.	1921	B.Sc. Agri. (Dacca—'43)	For the last 8 years doing research in agricultural entomology.	Pres.— 110/20, Saltimpur Road, Dhakuria, Calcutta 31.	Jr. Entomological Asstt.	R-
7518	Seshappa, G.	1918	B.Sc. Hons. (Mysore—'39) M.Sc. (Mysore—'40) Ph.D. Marine Biology. (Durham)	Served for 5 years as Lecturer in zoology in Mysore University, now doing research in fishery biology, published papers.	Pres.— Central Marine Fisheries Research Station, Kozhikode 5. Perm.— C/o Sri M.R. Srinivasamha, 866, III Cross Road, Srirampura, Bangalore 3.	Asstt. Research Officer.	R-G.
7519	Shanmughavelu, Chidambaram Rathinabapathy.	1924	B.Sc. (Annamalai—'45) Training in fishery.	7 years fisheries work.	Pres.— Adirampatnam, Distt. Tanjore. Perm.— 9, Malakkattil Street, Chidambaram, Distt. S. Arcot.	Fishery Survey Assistant.	STO-G.
7520	Shariff, Ali Taher.	1922	B.Sc. (Madras—'43)	7 years work in deep sea fishing and rural fishery demonstration.	Pres.— P.O. Chepauk, Madras. Perm.— C/o Director of Fisheries, Madras.	Inspector of Fisheries.	STO-G.
7521	Sharma, Govinda Nanda.	1923	B.Sc. (Calcutta—'44) Assoc. I.A.R.I. Entomology. (New Delhi—'47) Training in pest control. (U.K.)	For the last 5 years engaged in control of insect pests of agricultural crops and advisory work.	Pres.—Jorhat, Assam. Perm.—Choladhar Road, P.O. Jorhat.	Entomologist.	STO-G.
7522	Sharma, Swarajya Shankar.	1931	B.Sc. (Agra—'50) M.Sc. spl. Fisheries. (Agra—'52)	...	Pres.—302, Boileau Ganj, Agra Cantt. Perm.— Do.	...	Un.
7523	Shreevastava, Yugeshwar Prasad.	1926	B.A. (Patna—'46) B.Sc. Agril. (Patna—'49)	Research and field control of insect pests.	Pres.— Entomological Section, P.O. Sabour, Distt. Bhagalpur, Bihar Perm.—Vill. Salha, P.O. Sarfuddinpur, District Muzaffarpur.	Sr. Scientific Assistant.	R-G.
7524	Shrivastava, Raghunandan Kumar.	1928	B.Sc. (Agra—'47) M.Sc. (Saugor—'49)	4 years teaching work in zoology.	Pres.— University of Saugor, Saugor. Perm.—230, Shanchari, Saugor.	Lecturer in Zoology.	T-SG.
7525	Shukla, Ganga Saran.	1921	B.Sc. (Banaras—'43) M.Sc. (Banaras—'44)	Besides teaching zoology doing research in morphology of myriapoda.	Pres.— St. Andrew's College, Gorakhpur. Perm.— Do.	Professor & Head of Zoology Dept.	TR-NG.
7526	Shumsber Singh.	1915	B.Sc. Hons. (Rangoon—'36) Assoc. I.A.R.I. Entomology. (New Delhi—'41) F.J. Ent. Soc.	For 6 years carried out research in agricultural entomology and since 1945 engaged in supervision and stores preservation work. Published papers on the studies on some Indian thysanoptera.	Pres.— Inter Services Stores Preservation Organisation, H.Q. Eastern Command, Ranchi. Perm.— C/o S. Basant Singh, Mohalla Jawandian, Barnala, PEPSU.	Sr. Scientific Officer.	STO-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7527	Sidhu, Ajit Singh.	1930	B.Sc. Agri. (Punjab —'50)	Sugarcane entomology.	Pres.—Sugarcane Research Station, Jullundur City. Perm.— Vill. & P.O. Tehong, Tehsil Phillaur, Distt. Jullundur.	Research Asstt.	STO-G.
7528	Singh, Suresh. Kunwar	1924	B.Sc. (Lucknow—'43) M.Sc. (Lucknow—'45) Ph.D. Helminthology. (Lucknow—'52)	For 5 years worked in the Helminthiasis scheme of I.C.A.R. Since 1951 teaching zoology to degree and post-graduate classes.	Pres.— Zoology Dept., Lucknow University, Lucknow. Perm.— Do.	Lecturer in Zoology.	TR-SG.
7529	Singh, M.P.	1916	B.A. (Patna—'38)	14 years entomological work.	Pres.—P.O. Sabour, Distt. Bhagalpur. Perm.— Vill. & P.O. Madrauni, District Bhagalpur.	Asstt. Entomologist.	R-G.
7530	Sinha, T.B.	1921	B.Sc. (Allahabad—'49) M.Sc. (Allahabad—'44) F.Z.S. (London)	Doing research work in systematics of acridian grasshoppers and Indian spiders, mites, scorpions	Pres.— Zoology Dept., University of Allahabad, Allahabad. Perm.— Vill. Pyagpur, P.O. Salempur, District Deoria.	Jr. Research Fellow. (N.I.S.)	R-F.
7531	Sinha, Vishwanath.	1918	M.Sc. (Agra—'47)	Since 1947 engaged in teaching zoology.	Pres.— Science College, Patna 5 Perm.— Vill. & P.O. Pusaura, Distt. Muzafarpur.	Lecturer in Zoology.	TR-G.
7532	Sivaramakrishna, Seetharaman.	1930	B.Sc. Hons. (Madras —'60) M.A. Zoology. (Madras—'52) Assoc. I.A.R.I. (New Delhi—'52)	...	Pres.— 13, Abhiramapuram, 3rd Street, P.O. Teynampet, Madras 18.	..	Un.
7533	Sohi, Sardar Singh.	1930	B.Sc. Agri. (Punjab —'50)	Since 1951 teaching agricultural entomology.	Pres.—Govt Agricultural College, Ludhiana. Perm.—Vill. Dhanauri, P.O. Sotla Baba, Distt. Ambala	Lecturer in Entomology.	T-G.
7534	Soni, Baij Nath	1905	B.Sc. (Punjab—'25) B.Sc. Agri. (Edinburgh—'30)	16 years research work in veterinary entomology particularly concerning hides & skins, published papers.	Pres.—Indian Veterinary Research Institute, Izatnagar, Bareilly. Perm.— Sunny Villa, P.O. Clement Town, Dehra Dun.	Research Officer.	R-G.
7535	Srivastava, Anand Swarup.	1923	B.Sc. (Allahabad—'41) M.Sc. (Allahabad—'43) D.Phil. Zoology. (Allahabad—'45) Ph.D. Economic Entomology. (Wisconsin—'48)	Since 1949 engaged in research and development work on insecticides, entomology and insect control measures, published papers on the same.	Pres.—Technical Development Establishment Laboratory, Kanpur. Perm.— 464, Subash Nagar, Newmumfordganj Area, Allahabad 2.	Sr. Scientific Officer	R-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7586	Srivastava, Dayal Saran.	1908	B.Sc. (Lucknow-'27) M.Sc. (Lucknow-'29) Ph.D. Animal Cytology. (Belfast-'52) F.R.M.S. (London) F.Roy. Ent. Soc. F.Z.S.I.	21 years teaching and research work in zoology; published papers in animal cytology of lumbricus terrestris.	Pres.—Saugor University, Saugor. Perm.— Do.	Reader & Head of Zoology. Dept.	TR-SG.
7587	Srivastava, Mohan Lal.	1926	M.Sc. (Allahabad-'47) Assoc. I.A.R.I. Entomology. (New Delhi —'49)	For the last 3 years working on the classification & systematic study of insects of medical & public health importance; published papers on the effects of temperature & particle size on toxicity of insecticide dusts.	Pres.— Public Health Dept., Govt. of U.P., Lucknow. Perm.—Hira Niwas, 37, Lukerganj, Allahabad.	Entomologist. (Malariology)	R-G.
7588	Srivastava, Jagmohan.	1930	B.Sc. M.Sc. (Agra—'52)	Doing research in fisheries at the University of Delhi.	Pres.—9, Akbar Road, New Delhi. Perm.— Do.	...	R-S.
7589	Srivastava, Murli Dhar.	1916	M.Sc. (Lucknow-'41)	Since 1942 engaged in anti-malaria work.	Pres.—Station Hygiene Organization, Ahmed- abad. Perm.—Kayasthola, P.O. Mohammadabad Gohna, Distt Azamgarh.	Sanitary Asstt.	STO-G.
7540	Subbiah, M.S.	1902	B.A. (Madras—'26) B.Sc. Agric. (Madras —'29)	22 years experience of general pest control work.	Pres.—Agricultural Col- lege, P.O. Lawley Road, Coimbatore. Perm.—Mannadi Manga- lam, P.O. Sholavardam, Distt. Mathurai.	Asstt. Ento- mologist.	STO-G.
7541	Subramanian, G.	1931	M.Sc. spl. Entomo- logy. (Banaras—'52)	...	Pres.— C/o S.G. Iyer, Head of Division of Poultry Research, Indian Vet. Research Inst., Isatnagar. Perm.— Do.	...	Un.
7542	Subramanian, Krish- naier. (Capt.)	1904	M.A. Zoology. (Mad- ras—'36) D.T. (Rangoon—'32)	27 years teaching work.	Pres.—P.W.M.C., Dehra Dun. Perm.— West Street, Gangalikondan, Distt. Tirunelveli, S. India.	Instructor.	T-G.
7543	Subramanian, T.R.	1923	B.Sc. Agric. (Madras —'46)	4 years agricultural ent- omological research.	Pres.—Section of Ento- mology, Agricultural Research Inst., Coim- batore. Perm.— Do.	Assistant.	STO-G.
7544	Surat Singh.	1923	B.Sc. Agri. (Punjab)	Since 1945 teaching agri- cultural entomology.	Pres.—Govt. Agricultural College, Ludhiana. Perm.—20, Model Town, Ludhiana.	Lecturer in Entomolog).	T-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7545	Syed, Basheeruddin.	1905	B.Sc. Zoology. (Madras—'46)	...	Pres.—25/26, Ranganathapet Street, P.O. Triplicane, Madras. Perm.—C/o S.A. Razack, Kancherlapalem, P.O. Waltair, Visakhapatnam.	Fishery Survey Assistant.	STO-G.
7546	Syed, Usman.	1915	B.Sc. (Mysore—'35)	Since 1941 engaged in agricultural entomological research and field work on pests of crops like coffee, paddy, etc., published papers on economic entomology.	Pres.—Division of Entomology, Department of Agriculture, Bangalore 1. Perm.— Do.	Senior Asstt. Entomologist	R-G
7547	Talgeri, Ganesh Mangesh.	1919	B.Sc. Agri. Hons. (Bombay—'42) M.Sc. Agri. Entomology (Bombay—'49)	11 years work in agricultural pests and their control, published papers on the agricultural entomology.	Pres.—Entomology Section, College of Agriculture, Poona 5. Perm.— Do.	Crop Protection Officer.	STO-G
7548	Tampi, P.R. Sadashivau.	1923	B.Sc. (Travancore—'48) M.Sc. (Madras—'46)	6 years work on problems connected with adaptation and transport of fish, published papers on marine zoology.	Pres.—Central Marine Fisheries Research Station, Mandapam Camp Perm—Chandra Vilas, Mavelikara, Travancore.	Research Asstt.	R-G.
7549	Tandon, Kishore. Bhup	1921	M.Sc. (Lucknow—'45)	Carried out research work on oligochaetes and mallophagan parasites, published papers on the same.	Pres. - Zoology Dept., Lucknow University, Lucknow. Perm — Kaiser Manzil, Dr. R.K. Tandon Road, Lucknow	Lecturer.	T-SG
7550	Tembe, Vasant Bhaaskar.	1913	B.Sc. (Bombay—'36) M.Sc. (Bombay—'40)	14 years teaching experience and now guiding research also.	Pres — The Institute of Science, Bombay 1. Perm.— Do.	Lecturer in Zoology.	TR-G
7551	Thobbi, Vasant Vishnupant.	1925	B.Sc. Agri. Hons. (Bombay) M.Sc. Agri. (Karnataka)	Teaching agricultural entomology.	Pres—College of Agriculture, Dharwar. Perm.—O/o V.G. Thobbi, Pleader, Jummamasjid Peth, Bijapur.	Demonstrator in Entomology.	TR-G.
7552	Tikader, Krishna Benay.	1928	B.Sc. (Calcutta—'49)	...	Pres.— 'Tikader Lodge', 5, Naskerpara Lane, Dhakuria, Calcutta 31	...	Un.
7553	Tiwari, Krishna Kant.	1922	B.Sc. (Nagpur—'42) M.Sc. (Nagpur—'44) Ph.D. Zoology. (Nagpur—'52)	Engaged in research in carcinology, published papers on systematics of crustaceans.	Pres—Zoological Survey of India, 34, Chittaranjan Avenue, Calcutta 12. Perm.— Sohagpur, Distt Hoshangabad.	Asstt. Supdt.	R-G.
7554	Uberoi, Narinder Kumar.	1931	B.Sc. Hons. (Delhi—'51) M.Sc. spl. Entomology. (Delhi—'53)	...	Pres. - 180, Khyber Pass Hostel, Delhi 8. Perm.— O/o I.N.A., 26, Barakhamba Road, New Delhi.	..	Un.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7555	Ulrick, Albert Samuel Eldred.	1916	M.Sc. (Agra—'42) Training in Malariology. (Delhi—'48) F.A.S. (India)	For 4 years carried out anti-malaria work and now teaching zoology.	Pres.— Ewing Christian College, Allahabad. Perm.— Do.	Lecturer in Zoology.	T-NG.
7556	Upadhyaya, Vijendra Narayan.	1926	B.Sc. Agri. (Agra—'46) M.Sc. Agri. Zoology. (Allahabad—'50)	Teaching parasitology and entomology for the last 2 years.	Pres.— M.B. College of Agriculture, Gwalior. Perm.— Eye Hospital Road, Aligarh.	Lecturer in Zoology.	T-G.
7557	Upadhyayula, Venkateswara Chayanulu.	1917	B.Sc. Agri. (Madras—'41)	Knowledge of biological control of insect pests.	Pres.—Quarantine (Fumigation) Station, Madras Harbour, Madras. Perm.— Danavaipet, Rajahmundry, Distt. East Godavary.	Quarantine Inspector.	STO-G.
7558	Varma, Chandra Shekhar Prasad.	1905	B.Sc. (Patna) M.Sc. Fishes. (Washington)	18 years development and management work in fresh water fisheries.	Pres.— Department of Agriculture, Govt. of Bihar, Patna. Perm.— Do.	Fisheries Development Officer.	STO-G.
7559	Varma, Dukh Haran Nath.	1916	B.Sc. (Lucknow—'39) M.Sc. (Lucknow) Course in Malariology. (Delhi)	For 3 years carried out anti-malaria work. Now engaged in preservation of defence services stores.	Pres.—I.N. Office, Vithal House, Mint Road, Bombay 1. Perm.— Baroodkhana, Lucknow.	Stores Preservation Officer.	STO-G.
7560	Varma, Raghunandan Prasad.	1895	B.Sc (Allahabad—'29) M.Sc (Allahabad—'25)	For the last 30 years teaching zoology, specialization in fishes.	Pres.— Department of Zoology, Agra College, Agra. Perm.—Prakash Bhavan, Jagdishpura, Bharatpore Road, Agra.	Reader.	TR-SG.
7561	Vasu, H.D.	1912	B.Sc. (Punjab—'34) M.Sc. Agri. Entomology. (Punjab—'36)	10 years research work in entomology, parasitology and bionomics of insect pests, published papers.	Pres.— Indian Agricultural Research Inst., Pusa, New Delhi. Perm.— Do	Research Asstt.	R-G.
7562	Veda Moorthy, Gauri-sankar	1924	B.Sc. Hons. (Madras—'46) Assoc I.A.R.I. Agri Entomology (New Delhi—'48)	Doing research on major field pests of rice crop and of rice storehouses.	Pres.—Division of Entomology, Central Rice Research Inst., Cuttack. Perm.—C/o M.P. Gauri-sankar, 36/A, II Main Road, Sri Narasimha Raja Colony, Bangalore 4.	Research Asstt.	R-G.
7563	Venkataraman, Ganapathi.	1924	B.Sc (Madras—'44) M.A. Zoology. (Madras—'46) Certificate in Fishery. (Madras—'47)	Engaged in investigations on the biology and bionomics of food fishes of Malabar coast.	Pres.— Central Marine Fisheries Research Sub-Station, P.O. West Hill, Calicut. Perm.—40, East Mada Street, Mylapore, Madras 4.	Research Asstt.	R-G.

## ZOOLOGY &amp; ENTOMOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7564	Venkatesh, Malur Venkatarao.	1925	B.Sc. Hons. (Mysore —'45) M.Sc. (Mysore—'46)	Control of crop pests, trial of new insecticides and plant protection work.	Pres.— Directorate of Plant Protection, Quar- antine & Storage, Ministry of Agriculture, New Delhi. Perm.—S/o Late Shan- bhog Venkata Rao, Kasba Shanbhog, Distt. Malur-Kolar, Mysore State.	Tech. Asstt.	STO-G.
7565	Verma, Balchand.	1929	M.Sc. spl. Entomo- logy. (Saugor—'52)	...	Pres.— P.O. Banapura, Distt. Hoshangabad. Perm.— Do.	...	Un.
7566	Veval, Jehangirji.	1912	B.Ag.(Bombay—'38) Assoc. I.A.R.I. Agril. Entomology. (New Delhi—'35) Ph.D. Agril. Entomo- logy. (Wales—'39)	Worked for 7 years in teaching & research in entomology. At present engaged in research, advisory & publicity work concerning plant protection products including insecticides, published several papers	Pres.—M/s Geigy Insecti- cides Ltd., Bombay. Perm.— 17A-9, Rustom Bagh, Victoria Road, Byculla, Bombay 27.	Officer-in- Charge.	STO-I.
7567	Wal, Y.C.	1927	B.Sc. (Lucknow—'47) M.Sc. (Allahabad—'52)	Worked in teaching line for 3 years. Now en- gaged in animal keeping and bio-assays.	Pres.—C/o Dr. Prakash, 18/171, The Mall, Kan- pur. Perm.—C/o Master Ram Charan Lal, Dalpat Street, Mathura.	Jr. Scientific Assistant.	STO-



# AGRICULTURE & HORTICULTURE

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7568	Abhyankar, Sharat-chandra Ramchandra.	1920	B.Sc. Agri.	...	Pres.— Station Road, Arvi, Distt. Wardha. Perm.— Do.	...	Un.
7569	Abidi, Muhammad Khalil.	1911	B.Sc. Agri. (Agra)	Since 1936 service in the agricultural department	Pres.—Govt Agricultural Farm, Dhakaunt, P.O. Sandila, Distt. Hardoi. Perm.—Vill. Atrari, P.O. Muhammadabad Gohna, Distt. Azamgarh.	Senior Agricultural Inspector.	STO-G.
7570	Adbate, Maruti. Shankar	...	B.S. Agri. (Poona—'51)	...	Pres.—College of Agriculture, Dharwar. Perm.—Shivani, Taluka Khanapur, Distt. South Satara.	Demonstrator in Agronomy.	T-G.
7571	Adkoli, Subrao. Seetaram	1930	B.Sc. Agri. (Karnatak) M.Sc. Agri. spl. Plant Pathology. (Karnatak)	Engaged in teaching and managing a farm.	Pres.— College of Agriculture, Dharwar. Perm. O/o S.N. Adkoli, Resident Magistrate, Bijapur.	Demonstrator in Agronomy.	T-G.
7572	Advani, Kalachand H.	1901	B.Ag. (Bombay—'22) M.Sc. Agronomy (Texas, U.S.A.—'25)	Extensive experience in organization, development and management of farms, teaching of agricultural subjects (6 years) and marketing organizations, compilation of the results of all India marketing surveys. Held administrative posts e.g. Asstt. Agricultural Commissioner, Principal & Deputy Agricultural Marketing Adviser.	Pres.— Directorate of Marketing & Inspection, Ministry of Food & Agriculture, New Delhi. Perm.— Do.	Sr. Marketing Officer.	STA-G.
7573	Agarwal, Om Prakash.	1920	B.Sc. Agri. (Agra) Assoc. I.A.R.I. Agronomy. (New Delhi)	Working on agronomical problems particularly concerning sugarcane crop.	Pres.—Main Sugarcane Research Station, Shahjahanpur. Perm.— O/o B. Badri Prashad Agarwal, P.O. Bisauli, Distt. Budhun.	Senior Agronomical Asstt.	STO-G.
7574	Agnihotri, Jagdamba Prasad.	1933	B.Sc. Agri. (Agra-'52)	...	Pres.— Ram Lila Compound, Nagra, Ajmer.	...	Un.
7575	Agrawal, Ishwar Chandra.	1928	B.Sc. Agri. (Agra-'46) M.Sc. Agri. (Agra-'48)	Carried out horticultural work for 8 years and now engaged in soil conservation operations, published papers on pomology.	Pres.— Govt. Soil Conservation Farm, Rehmankhana, P.O. Kakori, Distt. Lucknow. Perm. — O/o Sri Ram Avtar Agrawal, Office Superintendent, Distt. Board, Bijnor.	Senior Agricultural Inspector.	STO-G.
7576	Ahmed, Uddin. Halim	1922	B.Sc. Agri. (Agra-'49)	Engaged in maintenance of orchards & nurseries.	Pres.—L.A.V., Gaubati. Perm.— O/o Jameela Manzil, P.O. Golpara, Assam.	Fruit Inspector.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7577	Abuja, Shyam Hiransand.	1928	B.Sc. Agri. (Agra)	...	Pres.—A.M.C. S18, Mundri Mohalla, Ajmer. Perm.— Do.	...	Un.
7578	Alyadurai, Samuel Gideou.	1908	B.Sc. Agri. (Madras—'33)	15 years research work on oilseeds; published papers on agricultural subjects.	Pres.— Agricultural Research Institute, Coimbatore. Perm.— 9/24, Ramalingam Road, R.S. Puram, Coimbatore.	Asstt. Oilseeds Specialist.	R-G.
7579	Amin, Jitendra Laxmidas.	1926	B.Sc. Agri. (Bombay—'48)	4 years work in analysis of foods, manure, soil, etc. and in teaching agricultural chemistry, published papers on soils.	Pres.—Institute of Agriculture, Anand, Distt. Kaira. Perm.—C/o Garbadbhai Kishorbhai Amin, Samalbhais Khadki, P.O. Padra, District Baroda.	Demonstrator.	T-G.
7580	Amin, Ramanbhai Shivabhai	1921	B.Sc. Agri. (Bombay—'47)	6 years teaching work.	Pres.— Institute of Agriculture, Anand. Perm.— Navapur Road, Chhota Udaipur.	Sr. Research Assistant (Horticulture)	T-G.
7581	Amin Lall. (Capt.)	1910	B.Sc. Agri. (Punjab—'32)	For 15 years worked on agricultural farms.	Pres.— Army Service Corps, H Q. Madras Area, Madras 16. Perm.—Chak No. 24 G.B., P O. Shri Brijeynagar, Bikaner.	Stocks Officer (Supplies)	STO-G.
7582	Anang Nath.	1920	B.Sc. Agri (Allahabad—'44)	Since 1948 engaged in agronomical research on sugarcane.	Pres.— Main Sugarcane Research Station, Shahjahanpur Perm.—K37/92, Bulanala, Banaras City.	Agronomical Assistant.	R-G.
7583	Anjaneyulu, Siddi-reddi.	1931	B.Sc. Agric. (Andhra—'52)	...	Pres.—Post Office Street, Palakol, District West Godavari. Perm.— Do.	...	Un.
7584	Annigeri, Lakshman Gururao.	1901	B.Agr. (Bombay—'27)	25 years varied agricultural work, at present engaged in multiplication of improved strains of wheat and gram.	Pres.—I/o Nucleus Seed Scheme, Dharwar. Perm.— Borkar Chawli, Belgaon Road, Dharwar.	Agricultural Officer.	STO-G.
7585	Antony, A.J.	1929	B.Sc Agric. (Madras)	Agricultural propaganda.	Pres.—Chittur. Perm.—C/o Dr. A. Joseph, Chembukam, Trichur.	Agricultural Inspector.	STO-G.
7586	Apte, Bhalchandra Ganesh.	1921	B.Sc. (Agra—'45)	8 years work in analysis of soils, manures and plant materials.	Pres.—Institute of Plant Industry, Indore. Perm.— 45, Rambag, Indore City.	Chemical Asstt.	STO-G.
7587	Arallenimath, Sha-davarayya Totayya.	1910	B.Sc. Agri. Hons. (Bombay—'37)	Since 1937 working in various capacities, proficiency in agricultural economics.	Pres.—Govt. Farm, Dharwar. Perm.—Mangalwar Peth, Dharwar.	Agricultural Officer.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7588	Arjan Singh.	1923	B.Sc. Agri. (Punjab —'45)	9 years of research work connected with sugar-cane crop.	Pres.— Sugarcane Sub-station, Gurdaspur Perm.—Vill. Maungi Sarai, P.O. Kathumangal, Distt. Amritsar.	Icharge,	STO-G.
7589	Arunachalam, Thiruvangadam Pillai.	...	B.Sc. Agri. (Madras —'36)	15 years work in Madras Agricultural Subordinate Service.	Pres.— Central Farm, P.O. Lawley Road, Coimbatore. Perm.— O/o Thiruvangadam Pillai, Thamba Pillai Street, P.O. Rajapalayam, Distt Ramnad.	Farm Manager	STO-G
7590	Arya, Suresh Chandra.	1931	B.Sc. Agri. (Agra—'49)	...	Pres.—12, Hastings Road, Railway Colony, Allahabad. Perm.— 8-A, Shivapuri, Bulandshahr	Student for M.Sc degree.	...
7591	Atri, Suraj Prakash.	1920	B.Sc. Agri. (Punjab)	9 years locust survey and control work.	Pres.— Locust Outpost, Phalodi, Rajasthan. Perm.—5603, Shorakothi, Paharganj, New Delhi.	Locust Technical Officer	STO-G
7592	Awasthamani, Narain A.	1921	B.Sc. Agri. (Bombay —'42)	Carrying on agronomical work on tobacco and published papers on the same.	Pres.— Central Tobacco Research Institute, Rajahmundry. Perm.— Do.	Agronomical Assistant,	STO-G.
7593	Ayyar, P.A. Venkateswara.	1902	B.A. Maths. (Madras —'22) B.Sc. Agri. (Madras —'25)	Worked for 11 years in agricultural extension, 2½ years in farm management and 14 years in teaching agricultural subjects; published a paper on pepper cultivation	Pres.—Agricultural College, P.O. Lawley Road, Coimbatore. Perm.— Do.	Lecturer in Agriculture	T-G.
7594	Azariab, Henry Sri-vivasam.	1911	B.Sc. Agri. (Allahabad—'37) M.S. Agril. Economics, (Cornell, U.S.A.—'41)	Since 1937 teaching agricultural economics. Knowledge of rural sociology and farm management.	Pres.— Allahabad Agricultural Inst., P.O. Agricultural Institute, Allahabad. Perm.— Do.	Prof of Agri. Economics & Principal.	T-NG.
7595	Azmi, Mohammed Yaseen.	1930	B.Sc. Agri. (Agra)	...	Pres.— Stockmen Training Centre, Darbhanga. Perm.—O/o Khurshed Ali, Vill. & P.O. Rampur, Azamgarh.	Farm Manager & Lecturer.	T-G.
7596	Badhe, Pandurang Punjo.	...	B.Sc. Agri. (Bombay —'48)	Agricultural propaganda work.	Pres.— S.E.S. S.D.S., Shrirampur, District Ahmednagar. Perm.— P.O. Nnavi, via Faizpur, Distt. East Khandesh.	Agricultural Officer.	STO-G
7597	Badiger, Govind Kalappa.	1926	B.Sc. Agri. (Bombay —'49)	2 years soil survey work.	Pres.— I/c Agricultural Research Station, Belgaum. Perm.— Gokak, District Belgaum.	Agricultural Officer.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7598	Bains, Singh. Gurcharan	1916	B.Sc. Hons. (Punjab —'38) M.Sc. Agri. Chem. (Punjab—'41)	Doing research in chemistry and technology of cereals, synthetic food grains and tubers, published papers on the same.	Pres.— Central Food Technological Research Institute, Mysore. Perm.— Vill. Kansal, P.O. Mauli Mazra, Distt. Ambala.	Sr. Scientific Assistant.	R-SG.
7599	Bains, Singh. Mukhtar	1920	B.Sc. Agri. (Punjab —'41)	Carried out village compost and well sinking work for 5 years, now doing agricultural propaganda work.	Pres.—P.O. Bhikhiwind, Distt. Amritsar. Perm.— Vill. Mankheri, P.O. Morinda, Ambala.	Agricultural Inspector.	STO-G.
7600	Bajpal, Jainarayan.	1928	B.Sc. Agri. (Patna —'49)	Agronomical work.	Pres.—Central Sugarcane Research Station, Pusa, Darbhanga. Perm.— Vill. Narbada, P.O. Khaira, District Monghyr.	Sr. Agronomical Asstt.	STO-G.
7601	Bajpaye, Kishore. Ratan	1925	B.Sc. Agri. (Banaras —'48)	For 2 years carried out research work on germination & vernalization from physiological point of view.	Pres.— Jayant Club, Kuria Road, Andheri, Bombay. Perm.— Misra Building, Kanpur.	...	Un.
7602	Bakht, Md. Wahid.	1926	B.Sc. Agri. (Allahabad —'48)	5 years work in teaching agricultural subjects, specialization in pomology.	Pres.— Agricultural Training School, Khana-para, Gauhati, Assam. Perm.— O/o Maulvi Bakshu Mohd., P.O. Dhubri, Assam.	Supdt.	T-G.
7603	Bakhshi, Balde.	1924	B.Sc. Agri. (Punjab —'45)	General horticultural and agronomical work.	Pres.—Govt Agricultural Farm, Ambala City	Agricultural Assistant.	STO-G.
7604	Bakhtawar Singh.	1926	B.Sc. Agri. (Agra—'48)	Agronomical research on sugarcane.	Pres.—Main Sugarcane Research Station, Shahjahanpur. Perm.— Vill. & P.O. Bhaiisa, Distt. Meerut.	Junior Agro-nomical Asstt	STO-G.
7605	Baksi, Amarendra Nath.	1928	B.Sc. Agri. (Agra—'49)	Research on sugarcane crop and management of the agricultural farm.	Pres.—Agronomy Section, Central Sugarcane Research Station, P.O. Pusa, Darbhanga. Perm.— O/o Gunindra Nath Baksi, Babupara, P.O. Dumka, Sonthal Parganas.	Sr. Research Assistant.	STO-G.
7606	Balakrishnan, Mana-madurai Ramaswamisivan.	1899	B.A. Phys. (Madras) B.Sc. Agri. (Madras)	Carried out work in soil science, published paper on the same.	Pres.—Agricultural College, Bapatla, District Guntur. Perm.— Do.	Lecturer in Chemistry.	T-G.
7607	Balappa, Bannur Virvpaxa.	1929	B.Sc. Agri. (Bombay)	2½ years soil conservation work.	Pres.—Mudhol. Perm.— Godbole Mala, Bijapur.	Agricultural Officer, (Soil conservation).	STO-G.
7608	Balwant Singh.	1922	B.Sc. Agri. (Agra)	Doing sugarcane research work.	Pres.—Motipur, District Muzaffarpur. Perm.— Vill. Bhudur, P.O. Jhabal, District Amritsar.	Sr. Research Assistant.	R-G.

## AGRICULTURE &amp; HORTICULTURE--Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7609	Barbhuiyan, E.H.	1926	B.Sc. Agri. (Gauhati)	Mechanized cultivation.	Pres.—Tea Experimental Station, Tocklai, P.O. Cinnamark, Assam. Perm.— Vill. Dakhin Krishnapur, P.O. Sonabarighat, Distt. Cachar.	Jr. Field Asstt.	STO-G.
7610	Barli, Md. Fazley.	1920	B.Sc. Agri. (Agra-'42)	Engaged in vegetable research work, published papers.	Pres.— Sabour, Bhagalpur. Perm.— Vill. Janipur, P.O. Kamtaul, Darbhanga, Bihar.	Asstt. Horticulturist.	R-G.
7611	Barooah, Ranjan. Satya	1919	B.Sc. Agri. (Allahabad—'40) M.Sc. Agri., Bot. (Banaras—'42) Ph.D. Agri. Bot. (Allahabad—'46)	Worked for 3 years in teaching botany. Since 1948 serving in the Department of Agriculture, Assam, published papers on agricultural subjects.	Pres.— Department of Agriculture, Govt. of Assam, Shillong. Perm.— Do.	Special Officer. (Food Production)	STO-G.
7612	Barua, Chandra. Bhuban	1919	B.Sc. Agri. (Allahabad)	9 years of agricultural extension work.	Pres.— Ranglya. Perm.— Chinti Kuthi, Azan Bazar, Gauhati.	Extension Officer.	STO-G.
7613	Basargekar, Upendra Keshav.	1924	B.Sc. Agri. (Poona)	Agricultural propaganda work.	Pres.— I/o Khanapur Division, Islampur, Walawa, Distt. Satara. Perm.—New Extension, Gadhwilej, District Kolhapur.	Agricultural Officer.	STO-G.
7614	Behl, Jagat Singh.	1905	B.Sc. Agri. (Punjab—'28)	General agricultural work.	Pres.— Court of Wards, P.O. Bandrole, Near Kulu, Distt. Kangra.	Manager.	STO-G.
7615	Behl, Kundan Lal.	1919	B.Sc. Agri. (Punjab—'39)	8 years service in agriculture department.	Pres.— I/o Sugarcane Substation, Jagadhri. Perm.—C/o L. Kesho Das Behl, Vill. Hassangarh, Distt. Rohtak.	Research Asstt.	STO-G.
7616	Bhagwat, Purushottam Ganesh.	1924	B.Sc. (Nagpur) Dip. Soap & Oil tech. (Banaras) Training in Agriculture. (Nagpur)	Routine departmental work.	Pres.— Office of the Extra Asstt. Director of Agriculture, Khandwa. Perm.—C/o G.W. Bhagwat, Near Police Station, Achalpur Camp, M.P.	Tech. Asstt.	STO-G.
7617	Bhalerao, Janardan Gopal.	1910	B.Ag. (Nagpur—'38)	Since 1939 engaged in field extension work.	Pres.—C/o Extra Asstt. Director of Agriculture, Durg. Perm.— Lakadganj, Jabalpur.	Tech. Asstt.	STO-G.
7618	Bhambota, Jita Ram.	1921	B.Sc. Agri. (Punjab—'45)	8 years teaching work in horticulture.	Pres.— Govt. Agriculture College, Ludhiana. Perm.— Do.	Lecturer in Horticulture.	T-G.
7619	Bhandarkar, Kesheo- rao Amritrao.	1914	B.Sc. Agri. (Nagpur—'41)	11 years service in agriculture department.	Pres.—Office of the Extra Asstt. Director of Agriculture, Ohhadwara. Perm.— Do.	Agricultural Assistant.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7620	Bhapkar, Dattatraya Gopalrao.	1929	B.Sc. Agri. (Poona —'51)	...	Pres.—I/c Agricultural Research Station, Jeur, Distt. Sholapur. Perm.— Anandkunj, Vishrambag, Maliwada, Ahmednagar.	Agricultural Officer.	STO-G.
7621	Bhargava, Manmohan Prasad.	1919	M.Sc. Agri. Economics (Minnesota, U.S.A.) B.Com. (Agra)	Carried out research work on problems of food production, crop planning and marketing & ware housing of agricultural products. Now planning programmes for agricultural production and food distribution in the country.	Pres.—Planning Commission, New Delhi. Perm.— O/o M.P. Bhargava, P.O. Pulgaon, Distt. Wardha, M.P.	Chief of Food & Agri. Agriculture Divn.	STA-G.
7622	Bhatia, Baldev Singh.	1921	B.Sc. Agri. (Punjab —'41) Certificate in fruit & vegetable preservation. (Punjab)	Reclamation of kollar lands, (ii) soil chemistry, (iii) technology and processing of fruits and vegetables, published papers on fruit and vegetable preservation.	Pres.— Central Food Technological Research Institute, Mysore. Perm.— Do.	Jr. Scientific Assistant.	R-SG.
7623	Bhatnagar, Krishna Swarup.	1928	B.Sc. Agri (Agra-'50)	2½ years work in development of cane crop.	Pres.— Cane Development Dept., Khatauli, Distt. Muazzarnagar Perm.— Vill. Tiroda, P. O. Baraut, Distt. Meerut.	Cane Development Supervisor.	STO-G.
7624	Bhatt, Nath. Mahendra	1927	B.Sc. Agri. (Agra) M.Sc. Agri. (Agra)	Worked for 3 years in various sugarcane research stations, now engaged in reclamation of usar lands.	Pres.—Usar Reclamation Farm, Vill. Katiar, P.O. Mal, Distt. Lucknow. Perm.—C/o Debi Dayal Bhatt, Durga Sadan, Khatkhana Road, Hathras, Distt. Aligarh.	Sr Agriculture Inspector.	STO-G.
7625	Bhatt, Nand Kishore.	1927	B.Sc. Agri. (Agra-'47)	Since 1947 engaged in development and marketing of cane.	Pres.— Tikonia Road, Haldwani, Nainital Perm—O/o G.D. Bhatt, P.O. Bhowali, Distt. Nainital.	Asstt. Cane Development Officer.	STO-G.
7626	Bhattacharya, P.B.	1908	B.Sc. Hons. (Calcutta) M.Sc. Chemistry. (Calcutta) Assoc.I.A.R.I. Soil Science & Agri. Chem. (New Delhi)	Engaged in investigations on the manuriel schedule of sugarcane tract in Bihar, published papers on agricultural chemistry.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.—Darjee Mahalla, Hinoo, Ranchi.	Soil Biochemist.	STO-G.
7627	Bhattacharya, Sashindra Chandra.	1909	B.Ag. (Nagpur—'39)	16 years of research & extension work in horticulture, published papers on citrus classification, nursery technique, etc.	Pres.—Department of Agriculture, Assam, Gauhati. Perm.—Mukherjee Lodge, Danish Road, Gauhati.	Horticultural Development Officer.	R-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experiences	Address (s)	Present post	Remarks
7628	Bhavani, Sangamavar Kuppuswami.	1922	B.Sc. Agril. (Madras—'48) D.I.H. (Madras—'49)	Engaged in the propagational, varietal & cultural improvements of temperate fruit crops, published papers on the same.	Pres.—Pomological Station, Coonoor, Nilgiris. Perm.— 27/1144, 2nd Cross Road, N. Maravanneri Extension, Salem Town.	Assistant-in-Charge.	STO-G.
7629	Bhirud, Pralhad Kissau.	1925	B.Sc. Agril. (Poona—'50)	...	Pres.—P.O. Vivara, Taluk Raver, East Khandesh. Perm.— Do.	...	Un.
7630	Bhonsle, S.L.	1929	B.Sc. Agril. (Nagpur—'52)	...	Pres.—C/o L.V. Bhonsle, Tehsildar, Budhapara, Raipur. Perm.— Do.	...	Un.
7631	Bhosale, Jijabba.	1923	B.Sc. Agril. Hons. (Poona—'49)	Agricultural propaganda.	Pres.—I/o S.E.S. S.D.S., Malagaon, Distt. Nasik. Perm.—Vill. Wahe, P.O. Rahimutpur, Distt. N. Satara.	Agricultural Officer.	STO-G.
7632	Bhudwal, K.S.	1914	B.Sc. Agril. (Punjab—'38)	18 years work in agriculture department.	Pres.— Barsar, Distt. Kangra. Perm.— Vill. Hovall, P.O. Mahilpur, District Hoshiarpur.	Agricultural Inspector.	STO-G.
7633	Bhupinder Singh.	1925	B.Sc. Agril. (Punjab—'47)	2½ years service in agriculture department.	Pres.— 118, Model Town, Jagadhri, Distt. Ambala. Perm.— Vill. Roorkee Hiram, P.O. Luthari, Distt. Ambala.	Cane Development Inspector.	STO-G.
7634	Bisen, Dulichand.	1927	B.Sc. Agril. (Nagpur—'45)	...	Pres.— Balod, Distt. Durg. Perm.—Khamariya, P.O. Arl, Distt. Chhindwara.	Agricultural Assistant.	STO-G.
7635	Bisley, Daljit Singh.	1927	B.Sc. Agril. (Punjab—'48)	4 years general agricultural work.	Pres.— Millets Section, O/o Economic Botanist, Ferozepur Cantt. Perm.— P.O. Jaharpur, via Pharsala, Distt. Jullundur.	Agricultural Assistant.	STO-G.
7636	Boddupalli, Ramakrishna Paramahansa.	1925	B.A. (Andhra) B.Sc. Agril. (Andhra)	...	Pres.— College Farm, Agricultural College, Bapatla. Perm.—Srd Line, Arundalpet, Guntur.	Farm Manager.	STO-G.
7637	Bose, Pranab Kumar.	1927	B.Sc. Agril. (Patna—'48)	Agronomical investigational work.	Pres.— I/o Zonal Centre, P.O. Parga Factory, via Lauriya, Distt. Champaran. Perm.—36, Orientar Road, P.O. Lalpur, Ranchi.	Sr. Research Assistant.	R-G.
7638	Buttar, Balwant Singh.	1914	B.Sc. Agril. (Punjab—'38)	19 years service in agriculture department.	Pres.— Agricultural Station, Ambala City. Perm.—85, Model Town, Ludhiana.	Manager.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7639	Chakrabarti, Jamuna Prasad.	1926	B.Sc. Agri. (Banaras)	Working on the agricultural extension programme under community projects.	Pres.—Pilot Extension Project, Rangia, Distt. Kamrup, Assam. Perm.—Vill. Hakama, P.O. Bilaspura, Distt. Goalpara.	Extension Officer.	STO-G.
7640	Chakravarty, Nalendra Nath.	1928	B.Sc. Agri. (Gauhati —'52)	...	Pres.— Agricultural Training School, Khana-para, Gauhati. Perm.—Boagal-pukhuri, P.O. Cinnamara, Jorhat, Assam.	Instructor.	T-G.
7641	Chandore, Govind Laxman.	1918	B.Ag (Nagpur—'36)	Serving in the department of agriculture for the last 12 years.	Pres.— Katol, Distt. Nagpur. Perm.—C/o Director of Agriculture, Nagpur.	Agricultural Assistant.	STO-G.
7642	Chandrasekaran, S.	1926	B.Sc. Agri. (Madras —'49)	Engaged in work relating to pest & diseases of groundnut and control thereof.	Pres.— Agricultural Research Station, Tindivanam, Distt. S. Arcot. Perm.— C/o S. Subramaniya Pillai, Vill. Puduvilagam, P.O. Vilagam, Taluk Chidambaram, Madras.	Sr. Asstt.	STO-G.
7643	Chandrasekhar, Namagiripet Rajgopal.	1928	B.Sc. Agri. (Madras —'48)	2½ years of work in cultivation & management of oilseeds crops.	Pres.— Agricultural Research Station, Tindivanam, S Arcot. Perm.—C/o N.S. Sundara Iyer, Mirasdar, P. O. Namagiripet, Taluk Rasipuram, Distt. Salem.	Farm Management Asstt	STO-G.
7644	Chandrasekhara, Mysore Rama Rao.	1916	B.Sc. (Mysore) Assoc.I. A.R.I. Agri. Chem. (New Delhi)	(i) Agricultural chemistry, (ii) preparation of malted milk powders and manufacture of vegetable decolorizing carbons, published papers on the same.	Pres.— Division of Bio-chemistry, Central Food Technological Research Inst., Mysore. Perm.—955, Srinivasa, Laxmipuram, Mysore.	Jr. Scientific Assistant.	R-SG.
7645	Chaturvedi, Narad Muni.	1929	B.Sc. Agri. (Agra—'50) M.Sc. Agri. (Agra—'52)	...	Pres.—C/o A.N. Pathak, Govt. Agricultural College, Kanpur. Perm.—Vill. Bhainsavli, P.O. Barhalganj, Gorakhpur.	...	Un.
7646	Chaudhri, Bijendra Singh.	1925	B.Sc. Agri (Agra—'46)	Soil survey with reference to sugarcane cultivation in U.P.	Pres.—Soil Section, Main Sugarcane Research Station, Shahjahanpur. Perm.— Do.	Research Asstt.	STO-G.
7647	Chauhan, Balbir	1924	B.Sc. Agri. (Agra—'47)	...	Pres.— Shamli, Distt. Musafarnagar, Perm.—Vill. Randaul, P.O. Behat, District Saharanpur.	Asstt. Cane Development Officer.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7648	Chauhan, Bhagubhai Kanjibhai.	1919	B.Sc. Agri. (Allahabad)	Doing research work in sugarcane.	Pres.— I/o Sugarcane Farm, Vyara, Distt. Surat. Perm.— P.O. Amohak, Taluk Mahuva, Distt. Surat	Agricultural Officer.	R-G.
7649	Chauhan, Brij Bhusan Singh.	1929	B.Sc. Agri. (Agra-'51)	Teaching agriculture to intermediate classes.	Pres.—M.B. College of Agriculture, Gwalior. Perm.—C/o Mahendra Singh, Vill. Ninawali, P.O. Umari, District Jalaun.	Demonstrator in Agriculture.	T-G.
7650	Chauhan, Rajkumar Singh.	...	B.Sc. Agri. (Agra-'49) M.Sc. Hort. (Agra —'52)	...	Pres.— S.K.N. Agricultural Institute, Jobner, Rajasthan. Perm.— Vill. Jarauli, P.O. Khaigargh, Distt. Mainpuri.	Demonstrator in Botany & Horticulture.	T-G.
7651	Chetty, Talapakam Venkataswamy.	1925	B.Sc. Agri. (Andhra —'49) M.Sc. Plant Physiology. (Banaras—'51)	Engaged in analysis of fertilizers & soils.	Pres.— Agricultural Research Institute, P.O. Lawley Road, Coimbatore.	Asstt. to the Govt. Agricultural Chemist.	STO-G.
7652	Chidamber, Panchal Yachappa.	1931	B.Sc. Agri. (Karnataka—'51)	Doing research in rice.	Pres.— P.O. Dhadesgur Farm, Taluk Sindhanoor, Distt. Raichur. Perm.— Katapur, Taluk Kushtagi, P.O. Aminagad, Distt. Raichur.	Jr. Botanical Assistant.	STO-G.
7653	Chinmulgund, Vasant Khanderao.	1928	B.Sc. Agri. Hons. (Bombay—'49)	Teaching agronomy and managing the farms	Pres.—College of Agriculture, Dharwar. Perm.— C/o Khanderao B. Patil, Chinmulgund, Distt. Dharwar.	Demonstrator in Agronomy.	T-G.
7654	Chopde, Purushottam Ramchandra.	1926	B.Sc. Agri. (Nagpur —'47)	For the last 4 years doing research in oil-seeds.	Pres.— Agricultural Research Institute, Nagpur. Perm.—C/o R.K. Chopde, P.O. Shegaon Bazar, Taluka Malkapur, Distt. Buldana.	Research Asstt.	R-G.
7655	Choudhari, Vishnu Harichand.	1924	B.Sc. Agri. Hons. (Bombay—'48)	2½ years in land utilization work.	Pres.— 464, Shaniwar Peth, Poona 2. Perm.— P.O. Bhadli, Taluka Jalgaon, Distt East Khandesh.	Agricultural Officer.	STO-G.
7656	Choudhary, Ramdev.	1920	B.Sc. Agri. (Punjab —'45)	Management of agricultural farms.	Pres.—Govt. Agricultural College Farm, Kanpur. Perm.— Do	Farm Supdt.	STO-G.
7657	Choudhary, Tika Ram.	1909	B.Sc. Agri. (Agra—'32)	Worked for 9 years in cane development dept, and now for the last 4 years doing agricultural development work	Pres.— Pawayan Block, Katiyar Farm, P.O. Mal, Distt. Lucknow. Perm.— C/o Chaudhary Neki Ram, Vill. Mahraj Singh, P.O. Soop, Distt. Meerut.	Agricultural Inspector.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7658	Dahama, Om Prakash.	1920	B.Sc. Agri. (Agra-'44) M.Sc. Agri. Economics. (Agra—'47)	5 years in teaching agricultural economics to degree classes, published pamphlets on popular subjects.	Pres.—M.B. College of Agriculture, Gwalior. Perm.—C/o Ch. Charan Singh, Vill. & P.O. Khekra, Distt. Meerut.	St. Lecturer in Agri. Economics.	T-G.
7659	Dahiphale, Madhuso Vaman.	1922	B.Sc. Agri. (Bombay —'47)		Pres.— College of Agriculture, Poona 5. Perm.—Ganeshwadi, P.O. Sosai, Taluka Newasa, Distt. Ahmednagar.	Demonstrator in Agronomy.	T-G.
7660	Dahiya, Om Parkash.	1930	B.Sc. Agri. (Punjab —'50)	...	Pres.—Delhi. Perm.—Vill. & P.O. Nahri, Distt. Rohtak.	Land Customs Officer.	STO-G.
7661	Dahre, Giridhari Lal.	1921	B.Sc. Agri. (Nagpur —'45)	10 years general agricultural work.	Pres.— P.O. Amarwara. Perm.—C/o L.H. Patel, Vill. Chandora Khurd, P.O. Multal, District Betul	Agricultural Assistant.	STO-G.
7662	Dani, Venkatesh Pralhad.	1919	B.Sc. Agri. (Bombay —'41)	8 years work in land development, soil conservation, dry farming and farm management.	Pres.— Agri. School, Manjil, District Poona. Perm.—Datar's Building, Deccan Gymkhana, Poona 4.	Agricultural Officer.	STO-G.
7663	Daniel, F.L.	1908	B.Sc. Agri. (Madras —'39)	Since 1934 engaged in agricultural chemistry work, at present studying the physico-chemical properties of soils, published papers concerning oils.	Pres.—Agricultural College & Research Institute, P.O. Lawley Road, Coimbatore. Perm.—18, Dewan Bahadur Road, R.S. Puram, Coimbatore.	Soil Physicist.	R-G.
7664	Das, Bidhan Krishna.	1918	B.Sc. Agri. (Allahabad —'48)	Doing agronomical research in jute.	Pres.—Jute Agricultural Research Inst., Hooghly.	Asstt. to the Agronomist.	R-SG.
7665	Das, C.O.	1911	M.Sc. Org. Chem. (Allahabad—'38) Ph.D. Agri. Biochem. (Ohio—'48)	18 years of teaching work, published papers on digestion co-efficient of juar fodder and alcohol insoluble fraction of lima beans.	Pres.—Agricultural Institute, Allahabad. Perm.—817, Muthigunj, Allahabad.	Associate Prof. of Agricultural Chem.	TR-G.
7666	Das, Devendra Pal.	1925	B.Sc. (Calcutta—'44) Dip. Fruit & Vegetable tech. (I.I.F.T —'46)	5 years research work in fruit and vegetable preservation, published papers on the improved methods of manufacture of vinegars.	Pres.— Central Food Technological Research Institute, Mysore. Perm.—C/o Sri S.P. Das, H.O Road, Ujan Bazar, Gauhati.	Jr. Scientific Assistant.	R-SG.
7667	Das, Satyendra Nath.	1928	B.Sc. Agri. (Agra—'51)	...	Pres.— Grow More Food Scheme, Tinsukia. Perm.— Vill. Rupohimukh, P.O. Gaurisagar, Distt. Sibsagar, Assam.	Agricultural Inspector.	STO-G.
7668	Das, Tadepalli Narasimha.	1922	B.Sc. Agri. (Madras —'44)	Raising of good quality seedlings.	Pres.—Coconut Nursery Station, A.R.S., Samalkot. Perm.—Mogalrajapuram, P.O. Buckinghampeta, Distt. Kistna.	Coconut Nursery Asstt.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7669	Dass, Nar singh.	1917	B.Sc. Agri. (Punjab —'37) M.Sc. Agric. (1943)	For 15 years carried out research work relating to improvement of oil-seed & cereal crops. At present engaged in barley & wheat improvement work, published papers on oil seeds.	Pres.—Barley Research Farm, Gurgaon. Perm.—38-A, Kamla-nagar, Subzimandi, Delhi.	Manager.	STO-G
7670	Date, Ramchandra Vinayak.	1925	B.Sc. Agri. (Bombay —'49)	For 8½ years worked in teaching line. At present doing agronomical experiments.	Pres.—Institute of Plant Industry, Indore Perm.—C/o V.S. Date, Post Master, Gokak, Distt. Belgaum.	Agricultural Assistant.	STO-G.
7671	Deol, Darshan Singh.	1924	B.Sc. Agri. (Punjab —'45)	5 years of plant protection work.	Pres.—Govt. Agricultural College, Ludhiana. Perm.—Vill & P.O. Boot, Distt. Jullundur.	Research Asstt.	R-G.
7672	Desai, Ayyappa Madivalappa.	1924	B.Sc. Agri. (Karnatak —'51)	Farm management	Pres.—Tungabhadra Agricultural Research Station, Dhadesgur, Distt. Raichur. Perm.—Hadnoor, P.O. Yelgi, Taluka Shorapur, Distt Gulburga.	Assistant.	STO-G.
7673	Deshpande, Jagannath Dattatraya.	1922	B.Sc. Agri. (Bombay —'46)	Training primary school teachers.	Pres.—Agri School, Manjari, Distt. Poona. Perm.—C/o Dr. M.D. Deshpande, 8-F, Saraswat Colony, Mahim, Bombay 16.	Demonstrator in Agronomy	T-G.
7674	Deshpande, Laxman Bhauji.	1909	B.Ag. (Nagpur—'34)	Worked for 9 years in general agricultural work, 5 years in teaching line and since 1948 managing a mixed farm	Pres.—Govt. Farm, Achalpur, Distt. Amravati. Perm.—C/o Deputy Director of Agriculture, Cotton Zone, Amravati.	Supdt	STO-G.
7675	Deshpande, Madhav Rajaram.	1918	B.Sc. Agri. (Bombay —'47)	...	Pres.—Govt. Farm, Jalgaon, Distt. East Khandesh. Perm.—256, Sangli Lane, Ahmednagar	Agricultural Officer.	STO-G.
7676	Deshpande, Prabhakar Bhimrao.	1925	B.Sc. Agri. Hons. (Bombay—'47)	...	Pres.—College of Agriculture, Dharwar. Perm.—Basti (Gali), Dharwar.	Demonstrator in Chemistry.	T-G
7677	Deshpande, Shridhar Gopal.	1898	B.Ag. (Bombay—'19)	31 years experience in gur manufacture and sugarcane cultivation for producing high yielding sugarcanes with quality.	Pres.—Somaiya Farms, P.O. Lakh, District Ahmednagar. Perm.—39, Dacca Gymkhana, Poona 4.	Manager.	STO-P
7678	Deshpande, Tryambak Laxmanrao.	1920	B.Sc. Agri. (Nagpur —'46) Assoc. I.A.R.I. Soil Science and Agric. Chem. (New Delhi —'50)	At present working on the structure of soils in Madhya Pradesh	Pres.—College of Agriculture, Nagpur. Perm.—Fadnis Pleader's Bungalow, Gokulpeth, Nagpur.	Lecturer in Agricultural Chemistry	TR-G

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7679	Desur, Ramanujam.	1916	B.Sc. Agri. (Madras —'38)	Advising on agricultural and related matters in the management of farms and purchase of sugarcane.	Pres.— C/o M/s. Begg, Sutherland & Co. Ltd., P.O. Mathowrah, Distt. Saran. Perm.—C/o D.G. Rajagopalachari, 20, Mailai Ranganatha Mudali Street, Thyagaraya-nagar, Madras.	Agricultural Officer.	STO-I.
7680	Devarajan, M.R.	1912	B.Sc. Agri. (Madras —'34)	Worked for 12½ years in horticultural line with special reference to citrus, published articles on horticultural subjects.	Pres.—No. 3, Arun Buildings, Sion Road, Sion, Bombay.	...	Un.
7681	Dey, Sunil Kanti.	1926	B.Sc. (Calcutta—'46) Assoc. I.A.R.I. Soil Science and Agrl. Chem. (New Delhi —'48)	Research and experimental work concerning soil-plant-climate relationship.	Pres.—Tocklai Experimental Station, Indian Tea Association, P.O. Cinnamara, Assam. Perm.—C/o Dr. P.B. Deb, Supdt., R.P. Chest Hospital & Clinic, P.O. Shillong, Assam.	Asstt. Chemist.	R-I.
7682	Dhadli, Har Chand Singh.	1929	B.Sc. Agri. (Punjab —'49)	Since 1944 working in agriculture department.	Pres.— Punjab Agricultural Deptt., Kharar II, Distt. Ambala. Perm.— Vill. & P.O. Malmajra, Tehsil Samrala, Distt. Ludhiana.	Agricultural Inspector.	STO-G.
7683	Dhake, Vitthal Bho-naji.	1924	B.Sc. Agri. (Poona —'49)	Soil conservation work.	Pres.—Shrigonda, Distt. Ahmednagar. Perm.—P.O. Salve, Tal. Eransol, Distt. East Khandesh.	Agricultural Officer.	STO-G.
7684	Dhar Chowdhury, Benoy Krishna.	1913	B.Sc. Agri (Allahabad—'35) P.G. training in Hort. (Poona—'36)	Served in Agriculture Dept. of Assam. At present managing own agricultural farm	Pres.— Ramakrishna Mission Road, P.O. Karimganj, Cachar, Assam.	...	STO-P.
7685	Dhillon, Harbans Singh.	1925	B.Sc. Agri (Punjab —'45)	...	Pres.— Department of Agriculture, Govt. of Punjab, Jullundur.	Agricultural Inspector.	STO-G.
7686	Dhodapker, Dattatraya Ramchandra.	1910	B.Ag. (Nagpur—'31) M.Sc. Agri. Bot. (Banaras—'33)	3 years work in wheat research scheme and 4 years in general agricultural development, published papers.	Pres.— Harda, M.P.	Agricultural Assistant.	STO-G.
7687	Dimri, Bachti Ram.	1929	B.Sc. Agri. (Agra—'44)	6 years horticultural and agricultural development work.	Pres.— Kotdwara, Distt. Garhwal. Perm.— Vill. Dimmar, P.O. Simli, District Garhwal.	Horticultural Inspector.	STO-G.
7688	Diol, Pritam Singh.	1906	B.Sc. Agri. (Michigan, U.S.A.—'32) M.Sc. Agri. (Michigan, U.S.A.—'33)	18 years experience in marketing of agricultural produce, livestock & livestock products.	Pres.— C/o Director of Agriculture, Simla. Perm.— Vill. Dangon, P.O. Pakhowal, Distt. Ludhiana.	Assistant.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7689	Divekar, Chandrachud Bhimrao.	1928	B.Sc. Agri. (Karnatak —'50)	...	Pres.—C/o H.N. Joshi, 444, S. Kasabari, Dr. Antrolikar's Wada, Sholapur. Perm.—Line Bazaar, Dharwar.	...	Un.
7690	Dua, Desh Bandhu.	1928	B.Sc. Agri. (Punjab —'48)	Doing agronomical re- search in jute crop.	Pres.—Jute Agricultural Research Institute, Hooghly.	Asstt. to Agro- nomist.	R-G.
7691	Dubey, Jagdish Prasad.	1922	B.Sc. Agri. (Agra—'44)	Worked for 8 years in rust control scheme and since 1949 doing user land reclamation.	Pres.—Rahimabad Farm, Distt. Lucknow. Perm.—Chibraman, Distt. Farrukhabad.	Agriculture Inspector.	STO-G.
7692	Dubhashi, Rama- chandra Sarvottam.	1902	B.Agr. (Bombay—'25)	Horticulture including vegetables and agricultural extension work.	Pres.—I/c Vegetables and Banana Scheme, Dept. of Agriculture, Poona Perm.—1170/8, Shivaji- nagar, Poona 5.	Special Officer.	STO-G
7693	Dutt, Basheeshwar Nath.	1900	B.Sc. Agri. spl. Dairy- ing & Animal Hus- bandry. (California, U.S.A.—'24)	Cotton & wheat growing on big farms, dairy industry and animal husbandry.	Pres.—156, Sant Lal Road, Ferozepur Cantt. Perm.—Do.	...	Un.
7694	Dutt, Kalluri Venkata Lakshmi Narasimha.	1925	B.Sc. Agri. (Madras) D.I.H. (Madras)	Doing investigational work in paddy.	Pres.—Agricultural Research Station, Maru- tern, District West Godavari. Perm.—C/o K.S.A. Mah- amuni, Teacher, B.N.H. School, Ramachandra- puram, Distt. East Godavari.	Assistant in Paddy.	STO-G
7695	Dutta, Byomkesh Ranjan.	1910	B.Agr. (Nagpur—'35)	Since 1935 working in agriculture department.	Pres.—Silchar, District Cachar, Assam. Perm.—Do.	Distt Agricul- tural Officer.	STO-G.
7696	Dutta, S. K.	1917	B.Sc. Agri. Hons. (Bombay—'38) B.Sc. (Wales—'42)	Conducting research in agronomy of tea & field crops.	Pres.—Tocklai Experi- mental Station, P.O. Ginamara, Assam. Perm.—Do.	Agronomist.	R-I.
7697	Dutta, Tarun Chan- dra.	1921	B.Sc. Agri. (Allaha- bad—'41)	Working on the extension programme in the pilot extension project.	Pres.—Pilot Extension Project, Rangia, Distt. Kamrup, Assam. Perm.—Jail Road, P.O. Jorhat, Distt Sibsagar, Assam.	Extension Officer.	STO-G.
7698	Dwivedi, Radhanath.	1911	M.A. Econ. (Patna —'36) Dip. in Education. (Patna—'37) M.Sc. Agri. Econ. (Minnesota, U.S.A. —'48)	Since 1939 service in agriculture department, specialization in agricultural marketing & organisation.	Pres.—Orissa, Cuttack. Perm.—Telakusuma, P.O. Kalabuda, District Cuttack.	Sr. Marketing Officer.	STA-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7699	Eapen, Kochukaleekal John.	1927	B.Sc. Agri. (Allahabad—'51)	...	Pres.— P.O. Shertallai, Travancore-Cochin. Perm.—P.O. Chengannur, Travancore-Cochin.	Agricultural Inspector.	STO-G.
7700	Ekambar, Mundkur Mukta.	1926	B.Sc. Agri. (Madras)	Improvement work of paddy and cotton.	Pres.— Paddy Breeding Station, Mangalore. Perm.— Kodiyalballi, Mangalore.	Asstt. in Paddy.	STO-G.
7701	Gadgil, M.K.	1924	B.Sc. Agri. (Nagpur—'49)	3 years general agricultural work.	Pres.—P.O. Niwas, M.P. Perm.— O/o R.S.K.V. Gadgil, Gol Bazar, Jabalpur.	Agricultural Assistant.	STO-G.
7702	Gahlaut, Shive Nath Singh.	1929	B.Sc. Agri. (Agra—'45)	Agronomical research in sugarcane.	Pres.— Sugarcane Research Station, Shahjahanpur. Perm.— Vill. Bhogli, P.O. Harganjpur, Distt. Bijnor.	Agronomical Assistant.	R-G.
7703	Galkwad, Vasantrao Jiram.	1919	B.Sc. Agri. (Bombay—'48)	8 years service in agriculture department.	Pres.— I/c Govt. Farm, Jalgaon, Distt. East Khandesh. Perm.— P.O. Ojbar, Taluka Niphad, Distt. Nasik.	Agricultural Officer.	STO-G.
7704	Gajjala, Gopala Ratnam.	1928	B.Sc. Agri. (Andhra—'49) F.R. Hort. S. (London)	3 years work in sugarcane development.	Pres.—C/o G.M. Ratnam, General Manager, J.K.R. Industries, Bobbili, Distt. Srikakulam. Perm.— Do.	Agricultural Demonstrator for sugarcane.	STO-
7705	Galgalgi, Govind Ramchandra.	1925	B.Sc. Agri. Hons. (Bombay—'47)	6 years experience in teaching agronomy.	Pres.—College of Agriculture, Dharwar. Perm.— C/o B.N. Joshi, Juma Masjid Peth, Bijapur.	Lecturer in Agronomy.	T-G.
7706	Gandhi, Virendra Sakerlal.	1930	P.Sc. Agri. (Bombay—'61)	...	Pres.— Parwad Street, Jumbusar, District Broach. Perm.— Do.	...	Un.
7707	Garde, Vasudeo Ramchandra.	1927	B.Sc. Agri. (Bombay—'48)	Storage of grains.	Pres.— C/o R.D. Nigudkar, 147 C, Gowalia Tank Road, Gumballa Hill, Bombay 26. Perm.—681/16, Sadashiv Peth, Madiwale Colony, Poona 2.	Agricultural Officer.	STO-G.
7708	Garg, Ashutosh Chandra.	1932	B.Sc. Agri. (Agra—'50) M.Sc. Agri. Chem. (Agra—'52)	...	Pres.—C/o Deoki Nandan Gupta, Head Master, Junior High School, Nagina, Distt. Bijnor.	...	Un.
7709	Garg, Jugal Kishore.	1930	B.Sc. Agri. (Agra—'50) M.Sc. Agri. (Agra—'52)	...	Pres.— C/o Sohan Lall, P.O. Bilari, District Moradabad. Perm.— Do.	...	Un.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7710	Garg, Kanti Prasad.	1927	B.Sc. Agri. (Agra-'48) M.Sc. Agronomy. (Agra—'50)	Engaged in user land reclamation.	Pres.— Govt. Farm, Dhakauni, P.O. Sandila, Distt. Hardoi. Perm.— Vill. & P.O. Aira-Khera, District Mathura.	Agriculture Inspector.	STO-G.
7711	Garg, Ram Jiwan.	1913	B.Sc. Agri. (Agra)	14 years work in cane development.	Pres.—C/o Cane Commis- sioner, U.P., Lucknow. Perm.—Vill. Bhumkhar, P.O. Satna.	Distt. Cane Officer.	STO-G.
7712	George, Chettupuz- hakkaran Mathew.	1918	B.Sc. Agri. (Madras —'41) M.S.A. (Toronto, U.S.A.—'48)	9 years of propaganda and research work.	Pres.—Areca nut Research Station, Central Farm, Distt. Cochin. Perm.— Alice Garden, Trichur, Distt. Cochin.	Supdt	STO-G.
7713	George, E.A.	1914	B.Sc. Agri. (Allaha- bad—'37)	10 years experience in citrus cultivation.	Pres.—Trichur Perm.—Emmatty House, Mission Quarters, Tri- chur.	Agricultural Inspector.	STO-G.
7714	Gheik, N.L.	1898	B.Sc. Agri. Hons. (Wales—'23) F.C.S. (London)	Since 1926 doing teach- ing work besides tech- nical advisory work and analysis of soils, man- ures, food stuffs and dairy produce.	Pres.—6/2, Swet Nagar, P.O. Dayalbagh, Agra. Perm.— Do.	Tech. Adviser, Research Lab and Head of Chem Dept.	T-NG.
7715	Ghosh, Pushpajit Narayan	1925	B.Sc. Agri. (Patna —'48)	Carried out research work on farm crops, now eng- aged in cytogenetical work on cereals; pub- lished papers on the same.	Pres.— C/o Dr. P.N. Bhaduri, Division of Botany, Indian Agricul- tural Research Institute, New Delhi. Perm.— C/o Economic Botanist to Govt., P.O Sabour, Bihar.	Research Asstt.	R-G
7716	Ghouse, Mohiyuddin.	1922	B.Sc. (Mysore—'47) B.Sc. Agri. (Mysore —'49)	Doing research on areca crop, plant breeding and control of diseases & pests.	Pres.— Thirthahalli, Distt. Shimoga, Mysore. Perm.— Do.	Research Asstt.	R-G.
7717	Ghulam Ahmed.	1918	B.Sc. Agri. (Allaha- bad—'44)	General agricultural work.	Pres.— Kamareddy. Perm.—C/o Nasiruddin Hashmi, Mumtaz Mansion Road, Khairat- abad, Hyderabad.	Agricultural Assistant.	STO-G.
7718	Gill, Dalip Singh.	1917	B.Sc. Agri. (Punjab —'41)	10 years service in agri- culture dept.	Pres.—P.O. Kharar, Distt. Ambala. Perm.— Vill. & P.O. Rahaon, Distt. Ludh- iana.	Agricultural Inspector	STO-G
7719	Gill, Gurdit Singh.	1916	B.Sc. Agri. (Punjab)	Since 1938 service in agriculture department.	Pres.— P.O. Samrala, Distt. Ludhiana.	Agricultural Inspector	STO-G.
7720	Gill, Jarnail Singh.	1927	B.Sc. Agri. (Punjab —'48)	Plant protection work.	Pres.— Govt. Agriculture College, Ludhiana. Perm.—Vill. & P.O. Gill, Distt. Ludhiana.	Plant Protec- tion Asstt.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7721	Gill, Teja Singh.	1911	B.Sc. Agril. (Punjab) M.Sc. Agril. (Louisiana, U.S.A.) Ph.D. Farm Management, (Louisiana, U.S.A.)	Planning of agricultural development including agricultural extension work. Published papers on soil erosion, increasing farm production & causes of low yield in India. ...	Pres.—Planning Commis- sion, New Delhi. Perm.— Do.	Research Offi- cer.	R-G.
7722	Godsay, Madhukar.	1927	B.Sc. Agril. (Osmania)		Pres.—College of Agricul- ture, Osmania Univer- sity, Hyderabad. Perm.— Do.	Laboratory Assistant.	STO-G.
7723	Goel, Jagannath Prashad.	1919	B.Sc. Agri. (Agra-'44)	Horticultural work.	Pres.— Subhasnagar, Bareilly. Perm.—O/o Lala Ram Das, P.O. Siwal, Distt. Meerut.	District Horti- culture Ins- pector.	STO-G.
7724	Goel, Kapur Chand.	1921	B.Sc. Agri. (Agra-'42)	Food analysis, organiza- tion of co-operative milk societies and small scale chemical industry.	Pres.—Ballabgarh, Distt. Gurgaon. Perm.—S/o L. Sohan Lal Goel, Ballabgarh, Gur- gaon.	District Co- operative Officer.	STO-G.
7725	Gopalan, Marar Kottillil.	1905	B.A. (Madras—'26) B.Sc. Agri. (Madras —'29)	Plant breeding and pro- tection work, published leaflets on plant disea- ses.	Pres.—Trivandrum. Perm — Kottillil House, Trichur.	Plant protec- tion Officer.	STO-G.
7726	Gopalan, Nelliyat.	1924	B.Sc. (Madras—'45) B.Sc. Agri. (Madras —'49)	Breeding work in sesa- num.	Pres.— Agricultural Research Station, Tin- divanam, S. Aroot. Perm.—Nelliyat House, P O. Kannookkara, Distt. N Malabar.	Assistant in Oil-seeds.	STO-G.
7727	Gopinath, Maligl.	1926	B.Sc. Agri. (Andhra —'49)	Conducting experiments on paddy and sugarcane.	Pres.— Govt. Farm, Yed- palli. Perm.— 5/288, Rajaja Street, Anantapur.	Farm Supdt.	STO-G.
7728	Gore, Krishnaji Shanker.	1922	B.Sc. Agri. Hons. (Bombay —'49)	4 years work in the con- trol of insect pests of stored food products.	Pres.— Victoria Mills Compound, Gamdevi Road, Bombay 7. Perm.— 815/2, Sadashiv Peth, Poona 2.	Entomological Officer.	STO-G.
7729	Goyal, Ratan Prakash (Lt.)	1928	B.Sc. Agri. (Agra—'42)	5 years work in analysis of food stuffs, now eng- aged in inspection of general stores.	Pres.— Inspectorate of General Stores, Has- tings, Calcutta 22. Perm.—O/o R.C. Gupta, Mohalla Kaunugoyan, Vill. & P.O. Tappal, Distt. Aligarh.	Asstt. Inspec- tor.	STO-G.
7730	Gujar, Gopal Sunder- das.	1930	B.Sc. Agri. (Poona —'52)	...	Pres.— Malshiras, Distt. Sholapur. Perm.— Do.	...	Un.
7731	Guliani, Sarup.	1922	B.Sc. Agri. (Punjab —'46)	Doing research work on tobacco crop.	Pres.—O/o The Agrono- mist, 63, Jhoke Road, Ferozepur Cantt. Perm.—18, Ram Nagar, New Delhi.	Agricultural Assistant.	R-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7782	Gupta, Swarup. Bishan	1931	B.Sc. Agri. (Agra)	...	Pres.— C/o Plant Protection Centre, Buxipur, Gorakhpur. Perm.— Do.	Jr. Plant Protection Asstt.	STO-G.
7783	Gupta, Kandula Chakrapani.	1927	B.Sc. Agri. (Andhra —'48)	Plant protection work.	Pres.— Yellareddy Distt. Nizamabad. Perm.— C/o Dr. Kamaraju, Kottapeta, Vizianagram.	Plant Protection Asstt.	STO-G.
7784	Gupta, Raghunath Sehal.	1901	M.Sc. Chem. (Banaras —'25) Ph.D. Agril. (Leeds, U.K.—'33)	Working on forest soils and soil conservation especially reclamation of deserts. Published papers on colloids, soil science & forest soils.	Pres.— Forest Research Institute & College, Dehra Dun. Perm.— Do.	Soil Chemist.	R-G.
7785	Gupta, Ram Parshad.	1930	B.Sc. Agri. (Punjab —'60)	...	Pres.— C/o Krishan Newas, Mittal Road, Moga. Perm.— Do	...	Un.
7786	Gupta, Shanti Sa... .	1912	B.Sc. Agri. (Agra—'33) M.Sc. Agri. Bot. (Banaras)	15 years work in agriculture and allied branches including user land reclamation; published papers on applied plant physiology.	Pres.— State User Reclamation Farms, Dhamkauni, Distt. Hardoi. Perm.— C/o Dr. Capt. B L. Gupta, Gurgaon.	Manager.	STO-G.
7787	Gupta, Sudhansu Mohan.	1906	B.Agr. (Bombay—'30)	Dealing with marketing & transport problems of jute. Published several articles on jute & marketing of agricultural produce.	Pres.— Indian Central Jute Committee, 4, Hastings Street, Calcutta 1. Perm.— 157/3/1, Bakulbagan Road, Calcutta 25.	Asstt. Marketing Officer	STO-SG.
7788	Gupta, W.R.	1905	L.Agr. (Nagpur—'29)	23 years service in agriculture department	Pres.— Seed & Demonstration Farm, Durg, M.P Perm.— Kanogoyan Street, Kalital, Distt. Karnal.	Supdt.	STO-G.
7789	Gupte, Madhukar Vassudeo.	1925	B.Sc. Agri. Honors (Poona—'49)	Conducting chemical weed control work.	Pres.— Department of Agriculture, Bombay State, Poona. Perm.— Mangal Jyoti, 3/6, Karve Road, Poona 4	Demonstrator in Botany.	T-G.
7790	Guram, Singh.	1929	B.Sc. Agri. (Punjab —'48)	Entomological research.	Pres.— Entomological Section, Govt. Agricultural College, Ludhiana. Perm.— P.O. Guram, Distt. Ludhiana.	Entomological Assistant.	STO-G.
7741	Gurbachan Singh.	1923	B.Sc. Agri. (Punjab)	7 years service in agriculture department.	Pres.— Zira, Distt. Ferozepur. Perm.— Vill. & P.O. Janima, District Ludhiana.	Agricultural Inspector.	STO-G.
7742	Gurcharan Singh.	1926	B.Sc. Agri. (Punjab)	Since 1946 serving in agriculture department.	Pres.— Punjab Agriculture Department, Jullundur. Perm.— Vill. & P.O. Chamba Kalan, Distt. Amritsar.	Plant Protection Asstt.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7743	Gurmukh Singh.	1929	B.Sc. Agri. (Punjab —'48)	Farm management.	Pres.—Govt Seed Farm, Abohar, Distt. Ferozepur. Perm.— Vill. & P.O. Morinda, Distt. Ambala.	Agricultural Inspector.	STO-G.
7744	Gutta, Sabharanjanamma.	1922	B.Sc. Agri. (Andhra —'49)	...	Pres.—Agricultural College, Bapatla. Perm.—Saraswathi Street, No. 9/27, Ward No. 10, P.O. Gudivada.	Teaching Asstt. in Botany.	T-G.
7745	Habbu, Bhimaji. Malhar	...	B.Sc. Agri. (Bombay —'44)	7 years land improvement and soil conservation work.	Pres.— Agricultural Research Station, Chas, via Ahmednagar. Perm.— 238, Thalakwadi, Belgaum.	...	STO-G.
7746	Hage, Sheshrao Bajirao.	1923	B.Sc. Agri. (Nagpur —'47)	4 years service in agriculture department.	Pres.— Seoni, District Chhindwara, M.P. Perm.—Vill. Yeota, P.O. Akola, Distt. Akola.	Agricultural Assistant.	STO-G.
7747	Harapanahalli, Ranganath Krishna.	1920	B.Sc. (Bombay—'42)	5 years work in soil reclamation.	Pres.—C/o Soil Chemist, Post Box No. 87, Sholapur. Perm.— Do.	Agricultural Officer.	STO-G.
7748	Hardayal Singh.	1896	L.Ag. (Kanpur—'19)	Carried out agricultural research, management of agricultural farms and factories.	Pres.—Near Arya Samaj, Kalsarganj, Ajmer. Perm.— Do.	...	Retd.
7749	Hardial Singh.	...	B.Sc. Agri. (Punjab —'50)	Plant physiological work in sugarcane.	Pres.— Sugarcane Research Station, Jullundur. Perm.— Vill. & P.O. Munak Kalan, via Urmar, Distt. Hoshiarpur.	Agricultural Assistant	STO-G.
7750	Hardiker, Shankar Dinkar.	1899	B.Sc. (Allahabad—'22) F.I.C.S.	30 years experience in analytical & agricultural chemistry.	Pres.—Agricultural Research Inst., Gwalior, Madhya Bharat. Perm.— Chaudorkar's Bara, Jaindragunj, Lashkar, Gwalior.	Agricultural Chemist.	STO-G.
7751	Harnam Singh.	1917	B.Sc. Agri. (Punjab —'38)	12 years of agricultural propaganda work.	Pres.— Dhariwal, Distt. Gurdaspur. Perm.— Vill. & P.O. Sultanwind, District Amritsar.	Agricultural Inspector.	STO-G.
7752	Hingankar, Vishwanath Sadasio.	1912	B.Ag. (Nagpur—'35)	15 years experience in the management of farms and estates.	Pres.— Govt. Seed and Demonstration Farm, Yeotmal. Perm.— Kalwadi, P.O. Akot, Distt. Akola.	Supdt.	STO-G.
7753	Hiregoudar, Shivangouda Veeranagouda.	1926	B.Sc. Agri. (Bombay)	Conducting agronomical experiments on sugarcane.	Pres.—Agricultural Research Station, Alnavar R.S., Distt. Dharwar. Perm.— P.O. Byahatti, Distt. Dharwar.	Agricultural Officer.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7754	Hirekerur, Laxmikant Ranghrao.	1931	B.Sc. Agri. (Karnatak)	Carrying on manorial experiments on different crops.	Pres.—T.A.R.S., Dhades-gui, Taluka Sudhamu, Distt. Raichur. Perm.— Honnignur, Taluka Kashtagi, Distt. Raichur.	Sr. Soil Re-search Asstt.	STO-G.
7755	Hukkeri, Dhananjay Seturamrao.	1928	B.Sc. Agri. (Bombay —'49)	Soil conservation work.	Pres.— Bagalkot. Perm.— 6, Rukmini Ni-nas, Tulasi Pipe Road, Bombay 16.	Agricultural Officer.	STO-G.
7756	Hulkavi, Ananda Bhimrao.	1929	B.Sc. Agri. (Bombay —'49)	Soil conservation work.	Pres.—Bagalkot. Perm.—244/57, Phulbag Galli, Belgaum.	Agricultural Officer.	STO-G.
7757	Hussain, Muhammad Sharafat.	1929	B.Sc. Agri. (Agra—'49)	...	Pres.— C/o Md. Shaukat Hussain, Moh. Maharaj-nagar, Lakhimpur-Kheri. Perm.—C/o Mohd. Tajammal Hussain, P.O. Sher-kot, Distt. Bijnor.	...	Un.
7758	Hussain, Mir Azhar-uddin.	1905	B.Ag. (Bombay—'28)	25 years experience of farm management and agricultural extension work.	Pres.—Warangal. Perm.— 135, Himayat-nagar, Hyderabad.	Asstt. Director of Agriculture.	STO-G.
7759	Ishwari Prasad.	1919	B.Sc. Agri. (Agra—'42) Assoc. I.A.R.I. Agro-nomy. (New Delhi —'48)	9 years service in agriculture department.	Pres.— P.O. Mirganj, Distt. Saran, Bihar. Perm.—P.O. Barhi, Distt. Hazaribagh.	Asstt. Director of Agriculture.	STO-G.
7760	Iyengar, Bindigana-vale Ramanna Narasimha.	...	B.Sc. (Mysore—'36) B.Sc. Agri. (Bombay —'40) Assoc. I.A.R.I. Agri. Chem. & Soil Science. (New Delhi—'46)	Soil conservation and agricultural chemistry work.	Pres.—College of Agriculture, Dharwar. Perm.— Do.	Sr. Agricultural Officer.	STO-G.
7761	Iyengar, Mandyam Alwar Shama.	1899	B.Ag. (Bombay—'28)	25 years teaching and research work in soils and agricultural chemistry; published papers on the same.	Pres.— College of Agriculture, Dharwar. Perm.— 1215, Krishna-murtipuram, Mysore.	Prof. of Agricultural Chemistry.	TR-G.
7762	Iyengar, Srinivasa Rengaswamy.	1899	B.A. (Madras—'20) B.Ag. (Bombay—'24)	For 8½ years worked as Head Master, Agricultural Schools, 6 years as Marketing Officer, 3½ years as States Rice Officer and 7 years as Distt. Agri. Officer.	Pres.—Sri Nivas, No. 871, Kaudiar Ward, Trivan-drum City. Perm.—Do.	...	Retd.
7763	Iyengar, T. Rajagopala.	1902	B.A. (Madras) M.Sc. Biochemistry and Agri. Bacteriology. (Madras)	Agricultural bacteriology and biochemistry; published several papers on the same.	Pres.— Agricultural Re-search Institute, Coim-batore. Perm.— Do.	Agricultural Bacteriologist.	R-G.
7764	Iyer, K.R. Narayana.	1897	B.A. (Madras—'19) M.Sc. Advance Agri. & Soil Science. (New Jersey—'82)	32 years work in agricultural chemistry and soil science, published papers on soil science.	Pres.— Director of Agriculture, Trivandrum. Perm.— Do.	Special Officer for Manures.	STA-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7765	Jadhav, Pandurang Doulatrao.	1925	B.Sc. Agri. (Poona —'49)	1½ years soil conservation work.	Pres.— Sangola, Distt. Sholapur, Perm.— P.O. Chiman-gaon, Tal. Koregaon, Distt. N. Satara.	Agricultural Officer.	STO-G.
7766	Jagannathan, Srinivasa.	1924	B.Sc. Agri. (Madras —'49)	...	Pres.—Marudur, Distt Trichy, Perm.—Engineer's House, Vennar Bank, Tanjore.	Coconut Nur-sery Asstt.	STO-G.
7767	Jagannath Singh.	1928	B.Sc. Agri. (Agra—'49)	Cultivation of fodder crops & their preser-vation.	Pres.— Distt. Dairy Demonstration Farm, Mathura, Perm.—Vill. Jagdishpur, P.O. Bhimapur, Distt. Ghazipur.	Cultivation Incharge.	STO-G.
7768	Jagdish Narayan.	1927	B.Sc. Agri. (Patna —'50)	For the last 2 years doing work in sugarcane agronomy.	Pres.—Agronomy Section, Central Sugarcane Research Station, P.O. Pusa, Bihar. Perm.—O/o Biswanath Prasad, Mohalla Islam-pur, Majlis Sahai Lane, P.O. Muzaffarpur, Bihar.	Jr. Research Assistant	R-G.
7769	Jahagirdar, Anant Venkatesao.	1922	B.Sc. Agri. (Bombay —'49)	Engaged in sugarcane development work as regards supply of popu-lar varieties and control of pests & diseases.	Pres.— S.E.S., S.D.S., Baramati, Distt. Poona. Perm.— P.O. Anjutagi, Distt. Bijapur.	Agricultural Officer.	STO-G.
7770	Jahagirdar, Narayan Pandurung.	1926	B.Sc. Agri. (Karna-tak)	...	Pres.— C/o Tatyesaheb Jahagirdar, Jorapur-peth, Bijapur. Perm.— Do.	...	Un.
7771	Jahagirdar, Venkata-rao Dattobarao.	1918	B.Sc. Agri. (Bombay —'45)	6 years in soil erosion & conservation work.	Pres.—C/o Agronomist, Agricultural Research Station, Sholapur. Perm.—Vill. Hebli, Distt. Dharwar.	Agricultural Officer.	STO-G.
7772	Jain, Dayal Chand.	1917	B.Sc. Agri. (Nagpur —'40)	Since 1944 serving in agriculture department and now doing demon-stration and propaganda work.	Pres.—Mandla, M.P. Perm.— Maharajpur, Distt Sagar.	Agricultural Assistant.	STO-G.
7773	Janorkar, Sadashiv Dattatraya.	1925	B.Sc. Agri (Poona —'49)	Agricultural propaganda.	Pres.—Thana, Bombay. Perm.—196/75, Sadashiv Peth, Poona 2.	Agricultural Officer.	STO-G.
7774	Jogindar Singh.	1922	B.Sc. Agri. (Punjab —'42)	Horticultural work.	Pres.—Morinda, Ambala. Perm.— Vill. & P.O. Rahaon, Distt. Ludhiana.	Agricultural Inspector.	STO-G.
7775	John., Mohan. Chandra	1927	B.A. (Madras—'47) B.Sc. Agri. (Madras —'51)	...	Pres.— Rice Research Station, Ambasamudram, Distt. Tirunelveli. Perm.—O/o J.S. Williams, 15, Nadar Colony, Trichy Road, Coimba-tore.	Second Asstt. in Paddy.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7776	Joshi, Ambadas Rao.	1928	B.Sc. Agri. (Osmania —'51)	...	Pres.—O/o Horticulturist to Govt., Hyderabad, Perm.— P.O. Bhokar, Distt. Nander, Hyder- abad.	Horticultural Assistant.	STO-G.
7777	Joshi, Krishna.	1927	B.Sc. Agri. (Nagpur —'49)	Demonstration of im- proved agricultural methods.	Pres.— Bemetara, Durg, M.P. Perm.— P.O. Shirpur, Akola, M.P.	Agricultural Assistant.	STO-G.
7778	Joshi, Madhukar Narhar.	1921	B.Sc. Agri. (Bombay —'48)	Agricultural propaganda for sugarcane develop- ment.	Pres.—I/c Seed Extension Section, Sugarcane Development Scheme, Kopergaon, District Ahmednagar. Perm.—Takle Building, Agra Road, Dhule, West Khandesh.	Agricultural Officer.	STO-G.
7779	Joshi, Vasudeo Narayan.	...	B.Sc. Agri. (Bombay —'44)	Farm management.	Pres.— Dahanu, Distt. Thana, Bombay. Perm.— P.O. Borgaon, Tal. Tasagaon, Distt. South Satara.	Agricultural Officer.	STO-G.
7780	Joshi, Vidyadhar Hari.	1918	B.Sc. Agri. (Bombay —'41)	10 years service in agri- culture department.	Pres.—Taluka Mundgod, Distt. N. Kanara. Perm.—489, Tilak Road, Poona 2.	Agricultural Officer.	STO-G.
7781	Kadarolli, Nagana- gouda Basanagouda.	1927	B.Sc. Agri. (Karnatak)	...	Pres.—Bidar, Hyderabad State. Perm.— P.O. Hirebagewadi, Distt. Belgaum.	Horticultural Assistant.	STO-G.
7782	Kagbhat, Vasant Govindrao.	1928	B.Sc. Agri. (Nagpur —'49)	Agriculture and animal husbandry work.	Pres.—O/o Deputy Direc- tor of Agriculture, Amaraoti, Perm.—Near Dakshina- murti's Temple, Nagpur 2.	Agricultural Assistant.	STO-G.
7783	Kaimal, Krishna Narayana.	1902	B.A. (Madras—'27)	From 1927-50 worked in botanical research on all aspects of rubber growing particularly selection, ecology, ana- tomy, methods of culti- vation, field experiments and laboratory investi- gations, etc. At present engaged in research and technical advice con- cerning rubber growing, published papers on the results of botanical researches on the rubber tree.	Pres.— C/o The Indian Rubber Board, Kotta- yam, Travancore-Cochin. Perm.— Pazhoor House, Kainakary, via Alleppey, Travancore-Cochin.	Rubber Pro- duction Com- missioner & Rubber Con- troller to the Govt. of India.	STA-G.
7784	Kakodkar, Vinayak Ganesham Sivay.	1931	B.Sc. Agri. Hons. (Karnatak—'62)	...	Pres.— O/o V.S. Sonde, Land Lord, Sirsi, N. Kanara. Perm.—Sanvordem, Goa	...	Un.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7785	Kalidasu, Venu Gopal.	1908	B.Sc. Agri. (Madras —'31)	20 years agricultural extension work.	Pres.— Karimnager, Hyderabad State. Perm.— P.O. Kandukur, Distt. Nellore.	Asstt. Director of Agriculture.	STO-G.
7786	Kalkat, Gurcharan Singh.	1927	B.Sc. Agri. (Punjab —'47)	...	Pres.—Govt. Agricultural College, Ludhiana. Perm.— Vill. Mohakam Garh, P.O. Tanda, Distt. Hoshiarpur.	Entomological Assistant.	STO-G.
7787	Kamat, Bhalchandra Dattatray.	1918	B.Sc. Hons. (Bombay —'42)	Worked for 5 years in research on alkali soils.	Pres.— Agricultural Research Station, Nar- gund, Distt. Dharwar. Perm.—Gadchinglaj, Distt. Kolhapur.	Agricultural Officer.	STO-G.
7788	Kandalkar, Ramrao Motirao.	1922	B.Sc. Agri. (Nagpur —'48)	5 years service in agri- culture department.	Pres.— Office of the Extra Assistant Director of Agriculture, Akola. Perm.—P.O. Katajgaon, Tehsil Achalpur, Distt. Amravati.	Agricultural Assistant.	STO-G.
7789	Kanekal, Shrinivas. Gundu	1929	B.Sc. Agri. (Karnatak —'50)	Soil conservation, farm management and teach- ing of agronomy includ- ing use of agricul- tural implements.	Pres.—Agricultural Col- lege, Dharwar. Perm.—Patravalli's Chawl, Near Railway Station, Dharwar.	Demonstrator in Agronomy.	T-G.
7790	Kapoors, Sohan Lal.	1915	M.Sc. Agri. Bot. (Banaras—'39) Ph.D. Agronomy (Banaras—'50) Course in statistics, (Banaras—'51)	11 years teaching and research experience in agronomy; published papers on the agronomy of potato.	Pres.—College of Agricul- ture, Banaras Hindu University, Banaras. Perm.— Do.	Asstt. Prof of Agronomy.	TR-SG.
7791	Karandikar, Gangadhar Sadashiv.	1925	B.Sc. Agri. (Bombay)	Farm management, fruit cultivation and horti- culture.	Pres.—Central Nursery, Agricultural School, Puntambra, District Ahmednagar. Perm.— 614, Narayan Path, Poona 2.	Agricultural Officer.	STO-G.
7792	Karan Singh.	1927	M.Sc. Agri. spl Plant Pathology. (Agra—'52)	Agricultural development work.	Pres.—Cane Development Council, Muwana Kalan, Distt. Meerut. Perm.— Vill. Bhadora, P.O. Dhakka, District Moradabad.	Asstt. Cane Development Officer.	STO-G.
7793	Karira, Gobindram Valabdas.	1908	B.Ag. (Bombay—'32) P.G. training in Biochemistry.	Served for 14 years in Department of Agricul- ture Sind and worked mainly on the farm management. At present doing research in eco- nomic plants growing in forests.	Pres.— Minor Forest Products Branch, Forest Research Inst., Dehra Dhu. Perm.— Do.	Research Assit	R-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7794	Karunakar, David.	1900	B.Sc. (Iowa, U.S.A.) M.Sc. Microbiology. (Rutgers, U.S.A.) A.R.I.O. (London)	From 1927-46 served as Agricultural Bacteriologist, 1946-51 as Agricultural Chemist and 1951 to date as Principal of Agricultural College; specialization in agricultural bacteriology, soil & plant chemistry and published papers on the same. Delegated to the International Rice Commission at Bandurang in 1952 and elected as Chairman of it, appointed Director of International Training Centre in Soil Fertility at Coimbatore in 1952	Pres.—Agricultural College & Research Inst., P.O. Lawley Road, Coimbatore.	Principal.	TR-G.
7795	Karuppannau, Panangattur Masagoundar.	1924	B.Sc. Agri. (Madras —'61)	Farm management	Pres.— Central Farm, Agriculture College, P O Lawley Road, Coimbatore. Perm.—Panangattur, P.O. Kavundapadi, Erode.	Farm Manager.	STO-G.
7796	Karyekar, Vasant Vasudeo.	1929	B.Sc. Agri. Hons. (Poona—'50)	Propaganda work on sugarcane.	Pres.— Malsiras, Distt. Sholapur. Perm.— 177, Shanwar Peth, Poona 2.	Agricultural Officer.	STO-G.
7797	Ketaki, Kamakhya Prasad.	1925	B.Sc. Agri. (Allahabad —'48)	For 5 years carried out plant protection work, now doing agricultural development.	Pres.—Rihabari, Gauhati Perm.— Do.	Agricultural Inspector	STO-G.
7798	Katdare, Shivaram Govind.	1920	B.Sc. Agri. (Bombay —'42)	Worked for 4 years in soil conservation and 2 years in teaching line, now engaged in agricultural extension & propaganda work.	Pres.—Panvel Division, Kolaba. Perm.—O/o G K. Katdare, P.O. Masur, Disttlet Satara.	Agricultural Officer.	STO-G.
7799	Katole, Tulshiram Motiram.	1929	B.Sc. Agri. (Nagpur —'50)	Farm management	Pres.— Govt. Agricultural Farm, Yotmal. Perm.— Shah, P.O Villegaon, Tal Murtizapur, Distt. Akola	Agricultural Assistant	STO-G
7800	Katti, Viroopaxha Chennamillappa.	1926	B.Sc. Agri. Hons. (Bombay—'49)	2 years work in soil conservation.	Pres.— Gadag, Distt. Dharwar. Perm.— Do	Agricultural Officer	STO-G.
7801	Kaushik, Chandra Prakash.	1932	B.Sc. Agri. (Agra-'52)	...	Pres.—C/o Trilok Chandra, Moh Lohian, P.O. Dhampur, Bijnor. Perm.— Do.	...	Un.
7802	Kelapure, Ramchandra Amyaji.	1924	B.Sc. Agri. (Nagpur —'48)	5 years service in agriculture department.	Pres.—Chandur, Distt. Amravati. Perm.—O/o Madhaora Kelapure, P.O. Patan Borl, Distt. Yeotmal.	Agricultural Assistant	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7803	Kelkar, Ganesh. Madhav	1926	B.Sc. Agri. (Nagpur —'48) Assoc I.A.R.I. Sugar- cane Agronomy. (New Delhi)	...	Pres.—C/o M.G. Hardas, 59, New Hostel, I.A.R.I., New Delhi 12. Perm.— Do.	...	Un.
7804	Keote, Dattatray Pandurang.	1920	B.Sc. Agri. (Nagpur)	8 years agricultural development work.	Pres.— Washim, Distt. Akola. Perm.— Ralegaon, Distt. Yeotmal.	Agricultural Assistant,	STO-G.
7805	Keshavamurthy, Bindiganavale Singa- lyengar.	1924	B.Sc. Agri. (Mysore —'52)	...	Pres.— C/o B. Singa Iyengar, Land Holder Bindiganavalle, Naga- mangla. Perm.— E 111, Chickpet, Bangalore.	...	Un.
7806	Khany, Mohammed Rafeeuddin Elias.	1927	B.Sc. Agri. (Andhra —'49)	Plant protection work.	Pres.— A7/109, Cement Causal, Chappal Bazaar, Hyderabad Dn. Perm.— C/o Mir Mohi- uddin, Opp. Chappal Bazar Mosque, Hyder- abad.	Plant Protec- tion Asstt.	STO-G.
7807	Kharsat, Umawsing.	1919	B.Sc. Agri. (Allaha- bad)	Since 1941 serving in agriculture department.	Pres.— Lamavilla, Maw- prem, Shillong Perm.— Do	Asstt. Deputy Director of Agriculture.	STO-G.
7808	Kirpal Singh.	1920	B.Sc. Agri. (Punjab —'42) M.Sc. Horticulture, (Punjab—'45) Assoc. of Common- wealth So. & Ind. Research Organiza- tion of Australia. (1948)	Doing research on agri- horticultural subjects and refrigeration, pub- lished several papers on cold storage of fruits and vegetables.	Pres.—Central Food Tech- nological Research Insti- tute, Mysore. Perm.—Sandhu Niwas, Hospital Road, Abohar, Punjab.	Jr. Scientific Officer.	R-SG.
7809	Kler, Daljit Singh.	1917	B.Sc. Agri. (Punjab)	15 years general agricul- tural work.	Pres.—Agricultural Re- search Station, Feroze- pur. Perm.— Vill. & P.O. Sarhal Kazian, Distt. Jullundur.	Farm Manager.	STO-G.
7810	Kodre, Dnyanesh Damodar.	1927	B.Sc. Agri. Hons. (Poona—'49)	Sugarcane development work.	Pres.— Sugarcane Sub- station, P.O. Lakhma- pur, Malegaon Camp, Distt. Nasik.	Agricultural Officer.	STO-G.
7811	Koduri, Sita Rama Rao.	1925	B.Sc. Agri. (Madras —'48)	Multiplication and dis- tribution of improved seeds.	Pres.—Paddy Seed Multi- plication Scheme, Main Farm, Himayatagar, Hyderabad. Perm.— C/o Venkata Subba Rao Koduri, Advocate, Guntur.	Botanical Assistant.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7812	Kololgi, Shivalingappa Dundappa.	1918	B.Sc. Agril. (Bombay—'42) M.Sc. Agril. spl. Horticulture. (Bombay—'48) M.S. Horticultural Science. (California—'49)	Since 1942 doing research in horticulture and now teaching to degree and postgraduate classes. Knowledge of management of horticultural gardens, afforestation and nursery work.	Pres.—College of Agriculture, Dharwar. Perm.—Gadag, District Dharwar, Bombay.	Prof. of Horticulture.	TR-G.
7813	Kondalwadikar, Narayan Govindrao.	...	B.Sc. Agril. (Osmania)	Agricultural extension work.	Pres.—Dulpally, Distt. Nizamabad. Perm.—C/o Govind Rao Kundalwadikar, Advocate, Bildi, District Nanded, Hyderabad.	Agricultural Assistant.	STO-G.
7814	Koppattil, K. Vidya-dharan.	1930	B.Sc. Agril. (Madras—'52)	Farm management.	Pres.—Areca nut Research Station, Central Farm, Manduthy, Distt. Cochin. Perm.—Pazhal, P.O. Padukad, Distt. Cochin	Farm Manager.	STO-G.
7815	Koyal, Trimbak Mahadeo.	1912	B.Sc. Agril. (Nagpur—'39) Training in agricultural extension work.	13 years farm management work.	Pres.—Institute of Plant Industry, Indore. Perm.—Tahsil Ward, Hingangh, M.P.	Farm Supdt.	STO-G.
7816	Krishan Chandra.	1930	B.Sc. Agril. (Agra—'52)	...	Pres.—C/o Shri Ram Narain, Auditor, Chandra Bhawan, Aliaganj Road, Etah. Perm.—Vill. & P.O. Siroli, Distt. Farrukhabad.	...	Un.
7817	Krishna, Arkalgud Venkatappa.	1926	B.Sc. Agril. (Mysore—'52)	...	Pres.—C/o M.P. Aiyanna, Valley View, Mercara, Coorg. Perm.—Arkalgud Fort, Arkalgud, District Hassan.	...	Un.
7818	Krishna, Javadekar Yeshwant.	1907	B.Sc. (Bombay—'30) B.Ag. (Bombay—'34)	Since 1934 engaged in propaganda and extension work.	Pres.—Agricultural Directorate, Hyderabad. Perm.—706, Sultan Bazar, Hyderabad.	Tech. Asstt.	STO-G.
7819	Krishna Marar, Meethala Madathil	1914	B.Sc. Agril. (Madras—'35)	18 years agronomical and breeding work in groundnut, castor and coconut.	Pres.—Central Coconut Research Station, Kasragod. Perm.—Do.	Agronomist.	STO-SG.
7820	Krishnamoorthy, Padakandla.	1924	B.A. (Madras—'45) B.Sc. Agril. (Andhra—'49)	General agricultural work.	Pres.—Makur, District Mohabodnagar, Hyderabad. Perm.—C/o Sri P. Subba-nochar, Brahmins Street, Cuddapah, Madras.	Agricultural Assistant.	STO-G.
7821	Krishna Murthy, Poondia Prabhakara Venkata.	1928	B.Sc. (Madras) B.Sc. Agril. (Andhra)	Paddy improvement and distribution work.	Pres.—Govt. Main Farm, P.O. Himayatnagar, Hyderabad.	Botanical Assistant	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7822	Krishnamurti, Raja-gopal.	1928	B.Sc. Agri. (Madras —'50)	8 years general agricultural work.	Pres.—Millet Breeding Station, P.O. Lawley Road, Coimbatore, Perm.—C/o Sri N. Balasubramanyan, Advocate, 178, Raja Street, Coimbatore.	Farm Managing Asstt.	STO-G.
7823	Krishnan, R.H.	1916	B.Sc. Agri. (Madras)	Since 1939 serving in agriculture department; doing field experiments and improvement work in paddy.	Pres.—Rice Research Station, Ambasamudram, Distt. Tirunelveli, Madras. Perm.—Do.	Assistant-in-Charge.	STO-G.
7824	Krishnan, T.K. Venkat.	...	L.Ag. (Madras) P.G. course of I.A.R.I. (Pusa, Bihar)	Agricultural extension work and farm management.	Pres.—Warangal. Perm.—887, Gagan Mahal Road, Hyderabad.	Dy. Director of Agriculture.	STA-G.
7825	Kulkarni, Chandrakant Janardhan.	...	B.Sc. Agri. (Bombay —'46)	...	Pres.—Agricultural School, Manjri, District Poona. Perm.—P.O. Puntambra, Distt. Ahmednagar.	Agricultural Officer.	STO-G.
7826	Kulkarni, Dattatraya Malhar.	1901	B.Ag. (Bombay—'25)	For 20 years carried out farm and district agricultural work and for the last 5 years teaching farm accounts, soil management, etc. to agricultural classes.	Pres.—College of Agriculture, Poona. Perm.—Fort, Dharwar.	Asstt. Prof of Agronomy.	T-G.
7827	Kulkarni, Dattatraya Ramchandra.	1926	B.Sc. Agri. Hons. (Bombay—'47)	Engaged in research in rice.	Pres.—Govt. Main Farm, P.O. Himayatsagar, Hyderabad 6.	Rice Research Assistant.	R-G.
7828	Kulkarni, Gundo Narayan.	1927	B.Sc. Agri. Hons. (Karnatak—'51)	...	Pres.—Sindhanur, Distt. Raichur, Hyderabad. Perm.—C/o Sheshagir Rao Holl, Shahapur, Distt. Gulbarga.	Agricultural Assistant.	STO-G.
7829	Kulkarni, Pramod Shankar.	1903	B.Ag. (Bombay)	Carried out research in sugarcane and food crops and published papers concerning the same. Now doing propaganda and food crops extension work.	Pres.—Office of the District Agricultural Officer, South Satura, Sangli. Perm.—P.O. Kedgaon, Distt. Poona.	Distt. Agricultural Officer.	STO-G.
7830	Kulkarni, Ramachandra Venkatesh.	1927	B.Sc. Agri. (Bombay —'49)	Carrying out experiments in dry farming.	Pres.—I/o Agricultural Research Station, Kaladgi, Taluka Bagalkot, Distt. Bijapur. Perm.—C/o V.B. Kulkarni, P.O. Bijapur.	Agricultural Officer.	STO-G.
7831	Kulkarni, Sarwottam Gabajipant.	1923	B.Sc. Agri. (Nagpur —'44)	Agricultural field work.	Pres.—Darwha, District Yeotmal. Perm.—C/o Shri Madhavrao Kulkarni, Deulgaon Raja, Distt. Buldana.	Agricultural Assistant.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7883	Kulkarni, Wasudeo Govindrao.	1927	B.Sc. Agri. (Nagpur—'48)	...	Pres.— Balapur, District Akola. Perm.— C/o G.M. Kulkarni, Taluk Achalpur, Distt. Amravati.	Agricultural Assistant.	STO-G.
7883	Kumandur, Ranga-samiyengar Gopal-krishna.	1923	B.Sc. (1948) B.Sc. Agri. (1950)	Analytical work.	Pres.—Main Farm, Himayatsagar, Hyderabad. Perm.— O/o Dr. K.R. Iyengar, Devanhalli, via Bangalore.	Probationary Agricultural Assistant.	STO-G.
7884	Kumar, Ramashray.	1928	B.Sc. Agri. (Patna—'49)	2 years agronomical research work.	Pres.— Harinagar, P.O. Ramnagar, Champaran. Perm.— Vill. & P.O. Sonbarsa, Distt. Bhagalpur.	Sr. Research Assistant.	R-G.
7885	Kunai Singh.	1912	B.Sc. Agri. (Agra—'34) M.A. Economics. (Agra—'42)	Since 1937 serving in agriculture department, at present doing soil conservation work.	Pres.— Rehmankhera Farm, Kakori, Lucknow Perm.— P.O. Khanpur, Distt. Ghazipur.	Sr. Agriculture Inspector.	STO-G.
7886	Kuppamuthu, K.	1909	B.Sc. Agri. (Madras—'31)	Teaching and general agricultural work.	Pres.— Agricultural College, Coimbatore. Perm.— Thondamuthur, P.O. Reddiyurur, Polachi, Coimbatore.	Teaching Asstt.	T-G.
7887	Kurtkoti, Fakirappa Basappa.	1921	B.Sc. Agri. (Bombay)	Experimental work in agriculture.	Pres.— Crop Breeding Station, Annigeri, Distt. Dharwar Perm.— Kurtkoti, Distt. Dharwar.	Agricultural Officer.	STO-G.
7888	Kurup, Govindakutti P.	1906	B.Sc. Agri. (Madras—'29)	15 years work in fruits, spices and other horticultural and plantation crops. Knowledge of extraction of essential oils and by-products from various plants and dehydration & processing of fruits and vegetables.	Pres.— Taleparamba, O/o Techno Chemical Industries Ltd., Calicut. Perm.— Do.	Pepper Specialist.	R-G.
7889	Kyrshan Singh.	1927	B.Sc. Agri. (Allahabad)	Horticulture and plant protection work.	Pres.— Mawkhar East Road, Shillong, Assam. Perm.— Do.	Agricultural Inspector.	STO-G.
7890	Lal, Jai Bishun.	1905	L. Ag. (Kanpur—'28)	For 6 years carried out general agricultural work and for the last 16 years doing chemical work concerning sugarcane; published papers on agricultural chemistry.	Pres.— Main Sugarcane Research Station, Shahjahanpur. Perm.— Do.	Sr. Chemical Assistant.	STO-G.
7891	Lal, Mukund Behari.	1910	M.Sc. Agri. Botany. (Banaras—'38)	Since 1940 doing agronomical work in sugarcane; published papers on photosynthesis of plants.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.— Vill. Deokali, P.O. Rafiganj, District Gaya.	Agronomist.	R-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7842	Lajewar, Champalal Ramchandra.	...	B.Sc. Agri. (Nagpur—'50)	Practical demonstration and propaganda of improved methods of cultivation.	Pres.—Khairagath Raj, M.P. Perm.—Jai-Hind, Nikhade Shop, Tumsar, M.P.	Agricultural Assistant.	STO-G.
7843	Limaye, Ramachandra Pandurang.	1907	B.Ag. (Bombay—'92)	Sugarcane cultivation, cotton seed multiplication and dairying work.	Pres.—Mudhol.	Cotton Overseer.	STO-G.
7844	Lohara, Kartar Singh.	1908	B.Sc. Agri. (Punjab—'31)	For 17 years carried out studies in nutritional requirements of bullocks, milch cattle and dry heifers, now working on manorial requirements of different crops; published papers on animal nutrition and dairy science.	Pres.—Agricultural College, Ludhiana. Perm.— Do.	Research Asstt.	STO-G.
7845	Luthra, Jai Chand.	1889	B.Sc. Hons. (Punjab—'09) M.Sc. Zoology. (Punjab—'11) D.I.C. Plant Physiology. (London—'23)	For 40 years worked in the educational and research line in the Indian Agricultural Service. At present working as convener of Hindi terminology for the Expert Committee (Agriculture) of the Ministry of Education, Govt. of India. Specialization in agricultural education, crop physiology and plant pathology and published several papers on the same. Presided over the agricultural section of the Indian Science Congress in 1940.	Pres.—C/o Dr. R.S. Vasudeva, 14, Agricultural Research Institute, New Delhi. Perm.— Do.	...	Retd.
7846	Luthra, Romesh Chander.	1925	B.Sc. Agri. (Punjab—'45)	Improvement work in vegetables, bajra and grasses.	Pres.—C/o Economic Botanist (Millets) to Govt., Ferozepur Cantt. Perm.—C/o Dewan Jagannath Luthra, Advocate, Saharanpur.	Research Asstt.	R-G.
7847	Madhava Prasad.	1916	B.Sc. (Patna)	Agronomical work.	Pres.—I/c Zonal Centre, Parsa, P.O. Parsa Factory, via Lauriya, Distt. Champaran. Perm.—Vill. Baisa, P.O. Pipra-Baisa, District Monghyr.	Jr. Research Assistant.	STO-G.
7848	Madiwale, Ganesh Jagannath.	1927	B.Sc. Agri. Hons. (Poona—'50)	Conducting field experiments in sugarcane.	Pres.—Sakharwadi, Distt. N. Satara. Perm.—496, Kasabapeth, Poona 2.	Agricultural Officer.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7849	Mahajan, Vasudeo Kalu.	1927	B.Sc. Agri. (Poona —'49)	Engaged in teaching and management of livestock and dairy cattle	Pres.—M.G. Agricultural School, Puntamba, Distt Ahmednagar. Perm.— C/o Kalu Bapu Mahajan, P.O. Bhadli, Taluka Jalgaon, East Khandesh.	Agricultural Officer.	T-G.
7850	Mahajan, Vithal Onkar.	1926	B.Sc. Agri. (Bombay —'49)	Teaching and farm management.	Pres.—M.G. Agricultural School, Puntamba, Distt. Ahmednagar. Perm.— C/o Onkar B. Mahajan, P.O. Utran, East Khandesh.	Agricultural Officer.	T-G.
7851	Mahal, Kartar Singh.	1926	B.Sc. Agri. (Punjab —'46)	Since 1946 doing plant protection work.	Pres.—Gurdaspur. Perm.—Vill. Mahal, P.O. Chehbarha, District Amritsar.	Plant Protection Inspector.	STO-G.
7852	Maheshwar Prasad.	1927	B.Sc. Agri. (Allahabad —'48)	8 years work in sugarcane agronomy.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.—West of Hospital, Dumraon, Distt. Shahabad.	Sr. Research Assistant.	R-G.
7853	Mahi Pal Singh.	1921	B.Sc. Agri. (Agra—'43)	For the last 5 years engaged in sugarcane development work.	Pres.—Modinager, Distt. Meerut. Perm.— Vill. Banat, P.O. & Distt. Muzaffarnagar.	Asstt. Cane Development Officer.	STO-G.
7854	Majmudar, Avanish-ray Madhusoodan-ray.	1923	B.Sc. Agri. (Bombay —'44)	Serving in the institute for the last 9 years.	Pres.—Institute of Agriculture, Anand. Perm.— Daveno Pado, Patan, Distt. Mehsana	Lecturer in Horticulture.	T-G.
7855	Malik, Mohammed Nizamuddin.	...	B.Sc. Agri. (Agra—'48)	Since 1949 carrying out research on problems relating to sugarcane chemistry.	Pres.—Central Sugarcane Research Station, Pusa, Bihar Perm.— Vill. Khesrabi, P.O. Pateypur, Distt. Muza�arpur, Bihar.	Sr. Research Assistant.	R-G.
7856	Man, Kharak Singh.	1922	B.Sc. Agri. (Punjab)	Worked for 5 years on problems of water requirements of crops.	Pres.—Govt Agricultural College, Ludhiana. Perm.— Raya, District Amritsar.	Lecturer in Agriculture.	T-G.
7857	Mandal, Subodh Chandra.	1921	B.Sc. (Patna—'40) B.Sc. Agri. (Agra—'44) M.Sc. Agri. spl. Soil Fertility. (Newzealand—'48) A.R.I.C. (London—'52)	Teaching and research work for 7 years in soil fertility, published paper on agricultural subjects.	Pres.— Bihar Agricultural College, Sabour, Distt. Bhagalpur. Perm.— Booty Road, Ranchi.	Asstt Agricultural Chemist & Asstt. Prof. of Chemistry.	TR-G.
7858	Manjalah, Hampapur Narasimhalam.	1914	Dip. in Agri. (Mysore —'34)	11 years experience in sugarcane farming, cane development and farm management.	Pres.— The Jiwajirao Sugar Co. Ltd., Dalauda, Distt. Mandaur, M.B. Perm.— Do.	Manager.	STA-I.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7859	Mann, Nand Singh.	1910	B.Sc. Agri. (Punjab—'30)	7 years service in agriculture department.	Pres.— Agricultural Station, Jullundur City. Perm.— C/o Secretary, Garden Colony, Jagraon.	Agricultural Assistant.	STO-G.
7860	Manomohanan, Vallaparambil.	1924	B.Sc. Agri. (Madras—'46)	4 years work in raising of quality coconut seedlings and laying out of horticultural gardens.	Pres.—Coconut Nursery, Irinjalakuda. Perm.—8/143, Main Road, Irinjalakuda, T.O. State.	Agricultural Assistant.	STO-G.
7861	Mariakulandal, A.	1910	B.Sc. (Madras—'32) B.Sc. Agri. (Madras—'35) M.Sc. Agri. Chemistry. (Madras—'48) Ph.D. Animal Nutrition and Biochem. (Washington—'61)	Agronomy, agricultural chemistry, animal nutrition and biochemistry; published papers on the same.	Pres.— Agricultural Research Institute, Lawley Road, Coimbatore. Perm.— Do.	Teaching Asstt. in Chemistry.	T-G.
7862	Masih, Vilayet Shahadat.	1916	B.Sc. Agri. (Agra—'45)	Soil survey in sugarcane growing tracts.	Pres.— Main Sugarcane Research Station, Shahjahanpur.	Research Asstt.	STO-G.
7863	Mastana, Tara Singh.	1925	B.Sc. Agri. (Punjab—'45)	Tractor cultivation, agricultural propaganda and plant protection work.	Pres.—Agricultural College, Ludhiana. Perm.—Karnal.	Plant Protection Asstt.	STO-G.
7864	Meenakshi, K.	1921	B.Sc. (Madras—'41) B.Sc. Hons. (Madras—'43)	For the last 6 years working in the Millets Section, now engaged in evolution of striga resistant varieties of sorghum by selection and hybridization.	Pres.—Agricultural College, P.O. Lawley Road, Coimbatore. Perm.— C/o Mrs. K. Raja Varma, Vilasam, Cranganore.	Assistant in Millets.	STO-G.
7865	Mehta, Dev Raj.	1930	B.Sc. Agri. (Punjab—'48)	Analysis of food grains and improvement of farm crops.	Pres.— C/o Economic Botanist (Millets) to Govt., Ferozepur Cantt. Perm.—C/o Mr. Amolak Raj Mehta, 6862, Fatehpurwali, Beriwala Bagh, Puk Bangash, Delhi.	Agricultural Assistant.	STO-G.
7866	Mehta, Nath. Shamsher	1913	B.Sc. Agri. (Punjab—'39) Training in Poultry Husbandry & Diseases. (I.V.R.I. Izatnagar—'47)	For 12½ years worked in agricultural stations and poultry farms; now doing agricultural propaganda.	Pres.—Pathankot, Distt. Gurdaspur. Perm.— Do.	Agricultural Inspector.	STO-G.
7867	Mehta, Ved Prakash.	1928	B.Sc. Agri. (Allahabad—'50)	Since 1951 working in agricultural farms.	Pres.— Military Farm, Ambala Cantt. Perm.—C/o Pt. Ram Nath Mehta, Vill & P.O. Babyal, Ambala.	Sub-Assistant Supervisor.	STO-G.
7868	Menon, Koladi Muthera Krishna.	1909	B.Sc. Agri. (Madras—'33)	For 7 years worked on animal nutrition with special reference to Indian cattle and since 1943 working on the manufacture of malt & malted products from indigenous cereals.	Pres.—Govt. Malt Factory, P.O. Lawley Road, Coimbatore. Perm.—Muthera House, P.O. Velankode, S. Malabar.	Asstt. Agricultural Chemist.	STO-I.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7869	Menon, Padinjara Marath Kochappan.	1906	B.Ag. (Bombay—'30) Assoc. I.A.R.I. Agronomy. (New Delhi—'47)	For 12 years carried out sugarcane development work. Knowledge of tobacco cultivation & curing.	Pres.—Trivandrum. Perm.—Padinjaramarath House, Iringalakuda, Travancore-Cochin.	Coconut Propaganda Officer.	STO-G.
7870	Mishra, Uma Prasad.	1926	B.Sc. Agri. (Patna—'49)	Chemical analysis of plants and soils.	Pres.—Chemical Section, Agricultural College, Sabour, Distt. Bhagalpur. Perm.— Vill. Nandpur, P.O. Nimez, District Shahabad.	Sr. Scientific Assistant.	STO-G.
7871	Misra, Aditya Narain.	1911	B.Sc. Agri. (Agra—'35)	16 years work in chemical problems of sugarcane soils, manures and microbiological aspects of soils, published papers on agricultural chemistry.	Pres.— Sugarcane Research Station, Shahjahanpur. Perm.—C/o Jai Govind Misra, Govind Bhawan, Mohalla Mawalya, Mill Road, Lucknow.	Sr. Chemical Assistant.	STO-G
7872	Misra, Gokaran Nath.	1915	B.Sc. Agri. (Agra—'36) Assoc. I.A.R.I. Sugarcane Agronomy. (New Delhi—'50)	Management of agricultural farms and agronomical research in sugarcane.	Pres.— Main Sugarcane Research Station, Shahjahanpur. Perm.— C/o Shri V.D. Misra, Mishrabandhu Nivas, Lakhimpur-Kheri, U.P.	Sr. Agronomical Asstt.	STO-G.
7873	Misra, Shyam Raj.	1907	Dip. in Agri. (Allahabad—'28) B.A. (Agra—'39)	For 20 years worked on agricultural farms, now doing soil conservation work, published a few reports.	Pres.—Govt. Soil Conservation Farm, Rehamankhera, P.O. Kakori, Distt. Lucknow Perm.— Vill. Tarla Bazar, P.O. Bansi, Distt. Basti.	Farm Manager.	STO-G.
7874	Mithan Singh.	1930	B.Sc. Agri. (Agra—'52)	Farming and dairying.	Pres.— C/o Ch. Asa Ram, Vill. Alipur Kalan, P.O. Jasol, Distt. Muzaffarnagar. Perm.— Do.	...	Un.
7875	Mitra, Binay Kumar.	1925	B.Sc. (Calcutta—'47)	5 years work in analysis of soils, plants, manures, fertilizers and food stuffs and supervision of urban compost scheme.	Pres.—Govt. Agricultural Research Laboratory, Jorhat, Assam. Perm.— Do.	Chemical Asstt.	STO-G
7876	Mitra, Kanti Prakash.	1936	B.Sc. Agri. (Patna—'48)	3 years agronomical research work.	Pres.—P O Akorhi, Distt Sahabad. Perm.—C/o A.R. Mitra, New Biser Road, Gaya.	Sr. Research Assistant.	R-G.
7877	Mohamad, Rahim.	1900	L.Ag. (Nagpur—'24)	Worked for 18 years in teaching agricultural engineering.	Pres.—Rice Zone No. 2, Nagpur. Perm.—C/o M.A. Wahab, Advocate, Hinganghat, Distt. Wardha.	Dy. Director of Agriculture.	STA-G

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7878	Mohammad, Abdul Rashid.	...	B.Sc. Agri. (Osmania —'50)	Farm management and soil conservation work.	Pres.—C/o The Agriculturist, Tungabhadra Agricultural Research Station, Dhadesugur, Distr. Raichur. Perm.—335, Moh. Kegziguda, Bugh Raheemudeen Shah, Hyderabad.	Agricultural Assistant.	STO-G.
7879	Mohammad, Abdus Samad.	1927	B.Sc. Agri. (Nagpur —'49)	...	Pres.— Bemetara, Distr. Durg. Perm.—C/o Pir Mohammad, Vill. Dinesh, P.O. Hatta Road, District Balaghat.	Agricultural Assistant.	STO-G.
7880	Mohammed Azam.	1923	B Sc. Agri. (Osmania)	...	Pres.— Nizamabad, Hyderabad. Perm — No. A. 5. 431, Kachiguda, Hyderabad.	Asstt. Bioche- mist.	STO-G.
7881	Mohammed Farooque.	1915	B Sc (Aligarh) Assoc. I.A.R.I. Soil Science and Agri. Chem. (New Delhi)	Worked for 10 years in sugarcane chemistry and now on problems relating to classification, manufacture & storage of gur; published papers on sugarcane chemistry	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.—Waliganj, Arrah.	Gur Chemist.	STO-G.
7882	Mohammed Yaseen.	1925	B Sc. Agri. (Osmania)	...	Pres.—College of Agriculture, Hyderabad. Perm.— Do.	Research Asstt.	T-G
7883	Mohindar Singh.	1924	B.Sc. Agri. (Punjab —'44)	...	Pres.—Amritsar Perm.— Vill. Satehry, P.O. Hoshiarpur.	Agricultural Inspector.	STO-G.
7884	Moorthy, Pisapaty Krishna.	1925	B Sc. (Andhra) B.Sc. Agri. (Andhra)	Agricultural propaganda work.	Pres.— Main Farm, Warangal, P.O. Hanamkonda, Hyderabad State. Perm.— Do.	Horticultural Assistant.	STO-G.
7885	Motiramani, Dayal Pherumal.	1921	B.Sc. Agri. (Bombay —'43) Assoc. I.A.R.I. Soil Science and Agri. Chem. (New Delhi —'47)	10 years teaching and research work in agricultural chemistry and soil science,	Pres.— M.B. College of Agriculture, Gwalior. Perm.— Do.	Asstt. Prof. of Agricultural Chemistry.	TR-G.
7886	Muhammad, S. Vari- sai.	1917	B Sc. Agri. (Madras —'38)	12 years research work in oilseeds.	Pres.— Agricultural Re- search Institute, Coimbatore. Perm.—Pennipparai Street, Tinkasi, Distr. Tinne- velli.	Sr. Assistant.	R-G.
7887	Mukerjee, Harendra Nath.	1907	B Sc. Hons. (Patna —'26) M.Sc. Chemistry. (Patna—'28) Ph.D. Agri. Chem. (London—'37) D.I.C. (London—'37)	Engaged in research in agricultural chemistry for the last 25 years, at present also teaching chemistry to agricultural classes, published research papers in agri- culture and livestock in India.	Pres.— College of Agri- culture, P.O. Sabour, Bhagalpur. Perm.— Do.	Agricultural Chemist and Professor of Chemistry.	TR-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7888	Mukerji, Nilambur.	1923	B.Sc. Agri. (Agra-'44) Assoc. I.A.R.I. Agronomy. (New Delhi —'50)	Carried out farm mana- gement for 7 years and now conducting physio- logical experiments in sugarcane.	Pres.—Main Sugarcane Research Station, Shah- jahanpur. Perm.— C/o Shri B.K. Mukerji, 17, Bai-ka- Bagh, Allahabad.	Jr. Physiolog- ical Asstt.	STO-G.
7889	Mukta, Mundkur. (Miss)	1926	B.Sc. Agri. (Madras —'49)	Working in tuber crops scheme.	Pres.—C/o Sri M. Srikrat Rao, 1, Kelly's Road, Kilpauk, Madras 10. Perm.—Besant Lane, Ko- diyalballi, Mangalore 3.	Research Asstt.	STO-G.
7890	Murthy, Ayyagari Satyanaryana.	1925	B.Sc. Agri. (Banaras —'48)	...	Pres.— Govt. Farm, Himayatsagar, Hyder- abad. Perm.— S/o Dr A. Brahm- andan, Ramkole, Hyderabad.	Horticultural Assistant.	STO-G.
7891	Murthy, Vuppulury Venkata Surya- naryana.	1926	B.Sc. (Andhra—'45) B.Sc. Agri. (Andhra —'48)	Farm management.	Pres.—Main Farm, P.O Himayatsagar, Hyder- abad. Perm.— Suryaracopeta, Kakinada.	Rice Research Assistant.	STO-G.
7892	Murty, K. Satya- narayana.	1922	B.A. (Andhra—'44) B.Sc. (Andhra—'46) B.Sc. Agri. (Andhra —'49)	Plant work. physiological	Pres.—Agricultural Col- lege, Bapatla. Perm.— Do.	Research Asstt.	STO-G.
7893	Muthuswamy, Swami- nathan.	1927	B.Sc. Agri. (Madras —'48) D.I.H. (Madras—'51)	3 years research work in fruits and other horti- cultural crops.	Pres.— Kellar and Burliar Fruit Stations, P.O. Methupalayam, Coim- batore. Perm.— Do.	Assistant in Fruits.	R-G.
7894	Nagar, Durga Shan- ker.	1910	B.Sc. Agri. (Agra)	17 years research work in sugarcane crop. Contribu- tions on rattooning of sugarcane.	Pres.— Sugarcane Re- search Station, Gorakh- pur. Perm.— Moripara Street, Meerut City.	Cane Agrono- mist.	R-G.
7895	Nahan, Harish.	1929	M.Sc. Agri. spl. Plant Physiology. (Punjab —'51)	...	Pres.— C/o Miss S.K. Nahan, Lecturer, Govt. College for Women, Ludhiana. Perm.— Do.	...	Un.
7896	Naidu, Narne Chend- raiah.	1926	B.Sc. Agri. (Andhra —'48)	5 years general agricul- tural work.	Pres.— Warangal. Perm.— Palukur, Kandu- kur, 1stt. Nellore.	Agricultural Assistant.	STO-G
7897	Naidu, T. Rama- nujulu.	1909	B.Sc. Agri. (Madras)	Agricultural propaganda and development work.	Pres.— Agricultural College, Bapatla. Perm.— Do.	Asstt. Lecturer in Agriculture	T-G.
7898	Nair, Chittilenchery Pathiyil Kesavan.	1912	B.Sc. Agri. (Madras —'35)	During 17 years service worked in teaching line, farm management, research in agronomy and botany.	Pres.—Central Rice Re- search Institute, Cut- tack. Perm.— Pathiyil House, P.O. Chittilenchery, Alathur, S. Malabar.	Research Asstt.	R-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7899	Nair, Gopinathan.	1928	B.Sc. Agri. (Banaras—'49) M.Sc. Agri. spl. Plant Physiology. (Banaras—'51)	...	Pres.— Lekshminbhavan, P.O. Chavara, Travancore-Cochin, Perm.—78, Thana Street, Madras 7.	...	Un.
7900	Nair, K.R. Padmanabhan.	1911	B.Sc. Agri. (Nagpur—'38)	10 years general agricultural work.	Pres.— Blue House, Exchange Square, Trivandrum.	Agricultural Inspector.	STO-G.
7901	Nair, K.R. Ramachandran.	1902	B.Ag. (Bombay—'29)	For the last 20 years serving in agriculture department, now doing agricultural extension and development work.	Pres.— Muvattupuzha, Travancore-Cochin. Perm.—Bungalow, Punalur, Travancore-Cochin.	Distt. Agricultural Officer.	STO-G.
7902	Nair, N. Rajappan.	1930	B.Sc. Agri. (Banaras—'51)	Agricultural propaganda and extension work.	Pres.— Irinjalakuda, Travancore-Cochin. Perm.—Sreenangalathu House, P.O. Mulakuzha, Travancore-Cochin.	Agricultural Inspector.	STO-G.
7903	Nair, T. Sreekumaran.	1922	L.Ag. (Mysore)	4 years service in agricultural departments.	Pres.—Peermude, Perm.— Thoppil House, North Door Street, Fort Padmanabhapuram, P.O. Thuckelai, Travancore-Cochin	Agricultural Inspector.	STO-G.
7904	Nambiar, Kandoth Puthanveettil Padmanabhan.	1923	B.Sc. Agri. (Madras—'45) D.I.H. (Madras)	Management of agricultural farms and orchards.	Pres.—I/o Model Orchard & Nursery, Mangalore, S. Kanara. Perm.—Parvathi Nivas, P.O. Koothuparamba, North Malabar.	Fruit Asstt.	STO-G.
7905	Nambiar, Mavila Narayanan.	1919	B.Sc. Agri. (Madras—'41)	Coconut cultivation and improvement work.	Pres.— Central Coconut Research Station, Kasaragod. Perm.— P.O. Muliyar, Kasaragod, S. Kanara.	Farm Asstt.	STO-G.
7906	Nambiar, Meloth Chathukutty.	1925	B.Sc. Agri. (Madras—'47)	Cytological and anatomical work in coconut and paddy breeding.	Pres.— Central Coconut Research Station, Kasaragod. Perm.— Thekkakara House, Thayannur, P.O. Chemnad, Kasaragod.	Jr. Research Assistant.	STO-G.
7907	Namboodiri, P. Jayanthan.	1930	B.Sc. Agri. (Madras)	...	Pres.— Namundi High School, P.O. Namundi Perm.—Pallipurath Illam, Kedanoor, P.O. Tamarchery.	Asstt. Science Teacher.	T-NG.
7908	Nandrajog, Moti Ram.	1914	B.Sc. Agri. (Punjab—'35)	Since 1936 working in different agricultural farms.	Pres.— Army Remount Depot, Saharanpur. Perm.— Do.	Line Overseer.	STO-G.
7909	Narasimham, Brahmamandam.	1920	B.Sc. Agri. (Madras—'41) D.I.H. (Madras—'49)	Teaching and extension work in horticulture.	Pres.—Agricultural College, Bapatla. Perm.— Do.	Horticultural Assistant.	T-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7910	Narayan, Belur Venkatachar.	1926	B.Sc. Agri. (Mysore —'60)	Knowledge of plant protection work.	Pres.— Directorate of Plant Protection, Quarantine & Storage, Ministry of Food & Agriculture, New Delhi. Perm.— C/o Shri N. Venkatachar, Sriyalakshmi Niwas, B/111, Mill Road, Bangalore 3.	Cataloguing Assistant.	Scientific editing & publication
7911	Narayana Menon, Bala Gopalan.	1911	B.Sc. Agri. (Madras)	16 years service in agriculture department.	Pres.— Agricultural Research Station, Puttalam.	Assistant in Oilseeds.	STO-G.
7912	Narayanan, Kottieh Manakadan.	1912	B.Sc. Agri. (Madras —'39)	For 10 years worked as Manager of Agricultural Research Stations in Madras.	Pres.— 105 HAA Regimental Artillery T.A., Bangalore. Perm.— Kottieh, Cannanore, N. Malabar.	Quarter Master.	UoL
7913	Narayanayya, D.V.	1897	Dip. in Agri. (Poona —'21)	Since 1930 doing research and extension work in cotton, published papers on cotton cultivation.	Pres.— Nanded, Hyderabad Perm.— Do.	Cotton Extension Officer.	R-G.
7914	Narkhede, Amrut Dattatraya.	1926	B.Sc. Agri. (Bombay —'47)	Cotton breeding and soil conservation work.	Pres.— Nandurbar, West Khandesh. Perm.— P.O. Bhadali, Taluk Jalgaon, East Khandesh.	Agricultural Officer.	STO-G.
7915	Narkhede, Baliram Nago.	1922	B.Sc. Agri. (Bombay —'47)	For the last 5 years teaching agronomy.	Pres.— Agricultural College, Poona. Perm.— Rajora, P.O. Yawal, District East Khandesh.	Demonstrator in Agronomy.	T-G.
7916	Natarajan, Vaidyanatha.	1905	B.Sc. Agri. (Madras —'29)	For 16 years worked as Agricultural Demonstrator and 5 years as Farm Manager.	Pres.— College Dairy, Coimbatore. Perm.— Sandaipettai, Pudukkottai.	Dairy Manager.	STO-G.
7917	Nema, B.L.	1918	B.Sc. Agri. (Nagpur —'41)	10 years service in agriculture department.	Pres.—C/o Deputy Director of Agriculture, Cotton Zone, Amravati. Perm.—C/o M/s Nanhe Lal Panchamal Nema, Narsingpur.	Plant Protection Officer.	STO-G.
7918	Nema, Jamna Prasad.	1918	B.Sc. Agri. (Nagpur —'40)	Worked for 5 years in cotton extension, now doing agricultural propaganda.	Pres.— Hoshangabad. Perm.—C/o Shri Nanhe Lal Nema, Singpur, Distt. Hoshangabad.	Agricultural Assistant.	STO-G.
7919	Neurgaonkar, Yeshwant Shankar.	1917	B.Sc. Agri. (Bombay —'40)	Sugarcane cultivation and soil conservation.	Pres.— P.O. Modnimbi, Taluka Madha, District Sholapur. Perm.—C/o R.S. Neurgaonkar, P.O. Pandharpur, Distt. Sholapur	Agricultural Officer	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7920	Nimbkar, Bon Behari V.	1931	B.Sc. Agri. (Rutgers, U.S.A.—'62)	Engaged in private agricultural farming.	Pres.—15th Road, Khar, Bombay 21. Perm.—Ramalaya, Phaltan, District North Saurashtra.	...	STO-P.
7921	Ojha, Satyendra Nath.	1926	B.Sc. Agri. (Patna —'48)	Sugarcane agronomy and entomology.	Pres.—Sugarcane Zonal Centre, P.O. Bihta, Patna. Perm.—Vill. & P.O. Hutmura, Distt. Mambham.	Sr. Research Assistant.	R-G.
7922	Oza, Jyotindra Ray Vasantray.	1912	B.Agr. Hons. (Bombay —'84)	For the last 14 years doing agricultural extension work.	Pres.—Mehsana. Perm.— Bhaga Talao, Bhagat Street, Bhavnagar.	Distt. Agricultural Officer.	STO-G.
7923	Padhye, Balakrishna Anant.	1914	B.Sc. Agril. Hons. (Bombay—'37)	16 years experience of large scale sugarcane cultivation and management of big agricultural farms.	Pres.— Phalton Sugar Works Ltd., P.O. Sakhawadi, District N. Saurashtra. Perm.—O/o A G. Padhye, Advocate, 528, Sadashiv Peth, Poona 2.	Asstt. Farm Manager.	STO-I.
7924	Pande, Mahesh Chandra.	1928	B.Sc. Agril. (Agra—'49)	Agricultural farming and soil conservation.	Pres.— Durgaganj, P.O. Kakori, Distt. Lucknow. Perm.—Jagatnagar, P.O. Bhongaon, Mainpuri.	Agricultural Inspector.	STO-G.
7925	Pandey, Gaurishankar.	1920	B.Sc. Agri. (Agra—'42) Dip. Canterbury Agril. College. (Newzealand)	Mixed farming and sugarcane development.	Pres.—P.O. Pussa, Distt. Darbhanga. Perm.—Vill. Balua, P.O. Guthani, Distt. Saran, Bihar.	Cane Development Officer.	STO-G.
7926	Pant, S.P.	1923	M.Sc. Agri. Economics & Estate Management (Agra)	8 years teaching work.	Pres.— M.B. College of Agriculture, Gwalior. Perm.—Vill. Tal, Tehsil Pauri, Distt. Garhwal.	Lecturer in Agri. Economics.	T-G.
7927	Panthaky, Tehmurasap Jamaspji.	1927	B.Sc. Agri. (Poona —'60) Dip. in Poultry Farming. (Poona)	2 years in paddy fields management.	Pres.—Transval Terraces, 3rd Floor, Corner Grant Road, Bombay 8. Perm.— Do.	...	Un.
7928	Parasuram, Nallepalli Anantabrahmanaiyer.	1916	B.Sc. Agri. (Madras —'86)	During 16 years service worked in farm management, teaching line and research on agronomical & botanical problems.	Pres.— Central Rice Research Institute, Cuttack. Perm.— O/o Shri N.P. Anantabrahmanaiyer, P.O. Nallepalli, Chittur, Travancore-Cochin.	Research Asstt.	R-G.
7929	Partha, N.K.	1922	B.Sc. (Mysore)	Doing research on pulses and castor crops.	Pres.— Babbur Farm, C/o Dept. of Agriculture, Mysore. Perm.— O/o Sri G. Siddappa, Market Square, Tumkur.	Asstt. Botanist.	R-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7980	Pate, Ramkrishna Pandlik.	1916	B.Sc. Agri. Hons. (Bombay—'42)	Farm management, plant breeding and interpretation of scientific data.	Pres.—Crop Breeding Station, Shahada, Distt. West Khandesh. Perm.—Raniangaon, Taluka Ohalisgaon, Distt. East Khandesh.	Agricultural Officer.	STO-G.
7981	Patel, Ambalal Jivabhai.	1924	B.Sc. Agri. Hons. (Bombay—'60)	Management of agricultural farms.	Pres.—Commercial Farm, Institute of Agriculture, Anand. Perm.—Wabhan, Taluk Nadia, Distt. Kaira.	Manager.	STO-G.
7982	Patel, Ambalal Shanabhai.	1921	B.Sc. Agri. (Bombay—'43)	5 years teaching work.	Pres.—Division of Agronomy & Plant Breeding, Institute of Agriculture, Anand, Distt. Kaira. Perm.—F.O. Napad, Distt. Kaira.	Supdt.	TR-G.
7983	Patel, Balubhai Purushottamdas.	...	B.Sc. Agri. Hons. (Bombay—'37)	Farm management (6½ years), cotton development (5 years) and agricultural extension work (3 years).	Pres.—Mehsana. Perm.—P.O. Bhoringda, Saurashtra.	Asstt. District Agricultural Officer.	STO-G.
7984	Patel, Bhagubhai Dahyabhai.	1927	B.Sc. Agri. (Bombay)	Since 1949 serving in agriculture department	Pres.—Modasa Perm.—Nizer, Taluka Bardoli, Distt. Surat.	Agricultural Officer.	STO-G.
7985	Patel, Champaklal Chhotalal.	1926	B.Sc. Agri. (Bombay—'49)	Agricultural extension and propaganda work.	Pres.—1129, Dungabhant, Lunawada, Distt. Panchmahals. Perm.—Rentin Pole, Umreth, Distt. Kaira	Agricultural Officer.	STO-G.
7986	Patel, Chimanlal Manilal.	1929	B.Sc. Agri. Hons. (Gujarat—'52)	...	Pres.—Institute of Agriculture, Anand, Distt. Kaira. Perm.—Kanial, District Kaira.	Demonstrator in Agriculture.	T-G.
7987	Patel, Dahyabhai Purushottamdas.	1928	B.Sc. Agri. (Bombay—'51)	...	Pres.—Institute of Agriculture, Anand. Perm.—Vasna, Taluk Matar, Distt. Kaira.	Demonstrator in Agriculture.	T-G.
7988	Patel, Devjibhai Govindbhai.	1908	B.Ag. (Bombay—'39)	11 years work in farm management.	Pres.—Institute of Agriculture, Anand, Distt. Kaira. Perm.—Ropu, Taluka Karjan, P.O. Palej.	Demonstrator in Agronomy.	T-G.
7989	Patel, Fulabhai Nathabhai.	1925	B.Sc. Agri. (Bombay—'48)	Cotton extension work.	Pres.—Office of Cotton Development Supervisor, Sarli, Distt. Baroda. Perm.—P.O. Dabhsaas, Taluk Padra, District Baroda.	Cotton Supervisor.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7940	Patel, Jashbhai Shankerbhai.	1905	B.Sc. Agri. (Cornell) M.Sc. Agri. (Cornell) Ph.D. Agriculture. (Edinburgh)	From 1930-33 worked as Oilseed Specialist, 1938-44, Director of Jute Agricultural Research Dacca, 1944-49 as Principal, Bihar Agricultural College, Sabour. Experience in agricultural education, research and extension work, contributed several scientific articles Representative of many Central Committees viz. oilseed, jute, tobacco, etc.	Pres.— Department of Agriculture, Patna. Perm.— Do.	Director of Agriculture.	STA-G.
7941	Patel, Maganbhai Shanabhai.	1919	B.Sc. Agri. Hons. (Bombay—'42) M.Sc. Agronomy. (N. Carolina—'48) Ph.D. Agronomy. (N. Carolina, U.S.A. —'49)	From 1948-51 carried out tobacco breeding, agronomy and marketing work. Now doing technical work concerning tobacco development. Editing "Indian Tobacco" and "Tobacco Bulletin".	Pres.— Indian Central Tobacco Committee, 14, Victoria Crescent Road, Egmore, Madras 8. Perm.—Ajarpura, Taluka Anand, Distt. Kaira, Bombay State.	Secretary.	STA-G.
7942	Patel, Manubhai Hathibhai.	1927	B.Sc. Agri. Hons. (Bombay)	...	Pres.— Institute of Agriculture, Anand. Perm.— Muval, Taluk Savli, Distt. Baroda.	Research Asstt.	TR-G.
7943	Patel, Mohanbhai Nagardas.	1921	B.Sc. Agri. Hons. (Bombay—'42)	Agricultural propaganda and teaching, dryfarming, soil science, etc.	Pres.— I/o Agricultural Research Station, Hariji, Distt. Mehsana. Perm.—Kalyana, Taluka Siddhpur, District Mehsana.	Agricultural Officer.	STO-G.
7944	Patel, Naranbhai Govindbhai.	1924	B.Sc. Agri. (Poona)	2 years service in agriculture department.	Pres.—Dohad. Perm.— Gusar, P.O. Vejalpur, Distt. Panchmahals.	Agricultural Officer.	STO-G.
7945	Patel, Navnital Mansukhdas.	1926	B.Sc. Agri. (Bombay—'47)	6 years teaching work.	Pres.—Institute of Agriculture, Anand, Distt. Kaira. Perm.—Near Civil Court, Umreith, Distt. Kaira.	Assistant.	TR-G.
7946	Patel, Rasiklal Bhogilal.	1927	B.Sc. Agri. Hons. (Bombay—'50)	Agricultural propaganda.	Pres.— Harikrishna Bhuvan, Opp. Swastik Talkies, Anand. Perm.—Kabutar Khana, Padapole, Broach.	Agricultural Officer.	STO-G.
7947	Patel, Umedbhai Ranchhbhai.	1915	B.Sc. Agri. Hons. (Bombay—'42)	For 6 years carried out farm management work and for 3 years served as Demonstrator in Agricultural Chemistry, and now doing agronomical experiments in bidi tobacco.	Pres.—Institute of Agriculture, Anand. Perm.— Alindra, Taluk Matar, Distt. Kaira.	Research Asstt.	R-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7948	Pathak, A.N.	1927	M.Sc. Agri. Chem. (Agra-'48)	Teaching agricultural chemistry and soil microbiology, published papers on the same	Pres.—Agriculture College, Kanpur. Perm.— P.O. Tanda, Banaras.	Lecturer in Chemistry.	T-G.
7949	Pathak, Sharangdhar S.	1929	B.Sc. Agri. (Agra-'49) Assoc. I.A.R.I. Agronomy. (New Delhi—'51)	...	Pres.—40, Gwalior Hotel, Gwalior Perm.— Pathak House, Patiala.	Lecturer in Agronomy.	TR-G.
7950	Patil, Hari Chintamani.	1894	B.Ag. (Bombay—'17)	Agricultural propaganda, teaching and farm management	Pres.— Agricultural School, Manjri, District Poona. Perm.— 50, Tilak Road, Poona City.	Supdt. and Inspector of Agricultural Schools	T-G.
7951	Patil, Harischandra Gopal	1908	B.Ag. (Bombay—'31) B.T. (Bombay—'37)	20 years teaching work	Pres.—Govt Agricultural School, Kosbad, P.O. Gholwad, Distt. Thana. Perm.—P.O. Bordi, Distt. Thana.	Supdt.	T-G.
7952	Patil, Laxmikant Hari.	1924	B.Sc. Agri. (Bombay—'47)	...	Pres.—College of Agriculture, Poona. Perm—C/o D.C. Patil, Chendre, Alibag, Distt. Kolaba.	Jr. Lecturer in Agronomy.	T-G.
7953	Patil, Ramachandra Basangouda.	1925	B.Sc. Agri. (Bombay)	...	Pres.— College of Agriculture, Dharwar. Perm.— O/o T.P. Patil, Khajjidon, Taluk Bagalkot, Distt Bijapur.	Demonstrator in Agri. Chem.	T-G.
7954	Patil, Ramsing Kalu.	1926	B.Sc. Agri (Bombay—'49)	Agricultural propaganda.	Pres.— Amalner, East Khandesh Perm — P.O. Umberkhede, Taluka Chalisgaon, District East Khandesh.	Agricultural Officer.	STO-G
7955	Patil, Shrivangouda Venkanagouda.	1924	B.Sc. Agri (Bombay)	...	Pres.— Agricultural School, Bagalkot Perm—Dundur, Taluka Gadag, P.O. Hulkoti, Distt. Dharwar.	Agricultural Officer.	STO-G
7956	Patil, Sudakar Onkar.	1923	B.Sc. Agri. (Poona—'49)	..	Pres.— Agricultural School, Manjri, Distt. Poona. Perm — Vadri, Taluka Yawal, District East Khandesh.	Agricultural Officer.	T-G.
7957	Perumal, S.	1919	B.Sc. (Madras—'40) Assoc. I.A.R.I. Soil Science & Agri. Chem. (New Delhi—'52)	Since 1940 engaged in research in agricultural chemistry and soil science; published papers on the same.	Pres.— Rudrur, District Nizamabad, Hyderabad. Perm.— Merry Cottage, 6458, Kummierguda, Secunderabad.	Sr. Soil Research Officer	R-G.
7958	Perur, Narayan Gunderao.	1921	B.Sc. Agri. (Bombay—'44) B.Sc. (Poona—'60)	Teaching and analytical work in agricultural chemistry.	Pres.—1204/4, Poona 5. Perm.— Joarapurpeth, Bijapur.	Agricultural Officer.	TR-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7959	Peruvemba, Seshu Iyer Sreenivasan.	1918	B.Sc. Agri. (Madras—'40) M.Sc. Agri. Meteor. (Madras—'42)	For 3 years carried out research in plant physiology and applied statistics; since 1945 doing research in crop-weather relationship, published papers on agricultural subjects.	Pres.—Division of Agricultural Meteorology, Meteorological Office, Poona 5. Perm.—East Peruvemba, P.O. Peruvemba, via Palghat, Malabar.	Asstt. Meteorologist (Statistician)	R-G.
7960	Phrang, Gatphob.	...	B.Sc. Agri. (Allahabad—'43)	Since 1943 serving in agriculture department.	Pres.—P.O. Diphu, Milur Hills, Assam. Perm.—C/o J. Roy, P.O. Jowai, Assam.	Asstt. Deputy Director of Agriculture.	STO-G.
7961	Phukan, Loke Nath.	1899	B.Sc. (Calcutta—'19)	Carried out research on sugarcane and analytical work on soils, manures, fertilizers and food stuffs. Now engaged in agronomical studies of various crops on different soils and rendering advice on matters concerning soils, manures and other agricultural chemistry subjects. Published a number of papers on agricultural topics.	Pres.— P.O. Jorhat, Assam. Perm.— Department of Agriculture, Govt. of Assam, Shillong.	Agricultural Chemist.	R-G.
7962	Phuke, Shyamrao Tatyaji.	1924	B.Sc. Agri. (Bombay—'49)	Soil conservation.	Pres.— Station Road, Pandharpur Perm.—P.O. Dudhondi, via Kirloskarwadi, Distt. South Satara.	Agricultural Officer.	STO-G.
7963	Pillai, M. Subbiah.	1906	B.A. (1927) B.Sc. Agri. (Madras—'30)	Since 1930 engaged in rice research and management of paddy farms.	Pres.— Central Rice Research Inst., Cuttack. Perm.— Do.	Farm Supdt.	STO-G.
7964	Pimpalgaonker, Prabhakar Sakharam.	1922	B.Sc. Agri. (Nagpur)	7 years general agricultural work.	Pres.—Murtazapur. Perm.— Do.	Agricultural Assistant.	STO-G.
7965	Pitchayya, Bandi.	1924	B.Sc. Agri. (Madras)	Farm management.	Pres.—Agricultural College Farm, Bapatla, Madras. Perm.—Bandivan Street, Nazerpet, P.O. Tenali.	Farm Manager.	STO-G.
7966	Prabhu, M. Damodar.	1908	B.Sc. Agri. (Madras)	20 years agricultural extension and demonstration work.	Pres.— Agricultural College, P.O. Lawley Road, Coimbatore. Perm.—Enmoor Falur, Mangalore.	Teaching Asstt.	T-G.
7967	Prasad, Atma Govind.	1918	B.Sc. Agri. (Agra—'39) Assoc. I.A.R.I. (New Delhi—'49)	Since 1939 serving in the agriculture department.	Pres.— P.O. Narkatiaganj, Distt. Champaran, Bihar. Perm.— Vill. & P.O. Pironta, Distt. Shahabad.	Asstt. Director of Agriculture.	STO-G.
7968	Prasad, Gaurishanker.	1916	B.Sc. Agri. (Agra—'40)	Farm management and agricultural extension work.	Pres.— Vill. & P.O. Chainawa, Saran.	Distt. Agricultural Officer.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7969	Pullayya, Katikireddi.	1927	B.Sc. Agri. (Andhra —'51)	Analysis of fertilizers and manures.	Pres.—Agricultural College, Bapatla, Distt. Guntur. Perm.— Jaggannapeta, Taluk Razole, Distt. East Godavari.	Chemical Analyst.	STO-G.
7970	Purandare, Gopal Trimbak.	...	B.Sc. Agri. (Bombay)	7 years soil conservation work.	Pres.— Mangalwedha, Distt. Sholapur. Perm.—O/o T.M. Purandare, 1206/43A, Palshikar's Bungalow, P.O. Deccan Gymkhana, Poona 4.	Agricultural Officer.	STO-G
7971	Raghbir Singh.	1928	B.Sc. Agri. (Agra-'50) M.Sc. Agri. Economics. (Agra—'52)	...	Pres.— Vill. Chhudani, P O. Jhajjar, District Rohtak Perm.— Do.	...	Un.
7972	Raheja, P.C.	1909	B.Sc. Agri. (Punjab —'30) M.Sc. Agri. (Punjab —'32) Ph.D. (1946)	For 14 years carried out research on sugarcane crop and now engaged in agronomical experiments on manurial and cultural aspects of cereal and sugarcane crop. Published papers on crop physiology & agronomy.	Pres.— Indian Agricultural Research Inst., New Delhi. Perm.— Do.	Agronomist.	R-G
7973	Rai, Prithvi Raj.	..	B.Ag. (Bombay)	25 years agricultural extension and propaganda work.	Pres.—Dept of Agriculture, Hyderabad Perm.—Baragali, Hussaini Allam, Hyderabad.	Dy. Director of Agriculture.	STA-G.
7974	Raja, K.C. Sreeveera-rayan.	1920	B.Sc. Agri. (Madras —'49)	...	Pres.—Kottakkal Palace, P.O. Kottakkal, S. Malabar. Perm.-- Do.	...	Un.
7975	Rajagopalan, Vangal Rangaswami.	1927	B.Sc. (Madras—'47) M.Sc. Botany. (Anna-malai—'52)	Conducting manurial experiments on crop plants, published papers	Pres.—Rallis India Ltd., Madras 1 Perm.— Vangal House, 82/3, Usman Road, Madras 17.	Agronomist.	STO-I
7976	Rajan, Bathianadhan Solomon Dural.	1925	B.Sc. (Madras—'47) B.Sc. Agri. (Andhra —'51)	...	Pres.— Cardamom Research Station, Singampatti Group, P.O. Kuthadalkurichi Perm.— 4, Spur Tank Road, Madras 8.	Botany Asstt.	STO-G
7977	Rajeshwar Sahai.	1920	B.Sc. Agri. (Agra-'42)	Since 1943 serving in the agriculture department.	Pres.—Agriculture Dept., Planning Office, Aligarh Perm.— C/o Dr. Gopal Sahai, Kotbi Opposite Women Hospital, Bijnor	Agriculture Inspector.	STO-G
7978	Rajhansa, Narayan Eknath.	1926	B.Sc. Agri. (Nagpur —'48)	Agricultural propaganda.	Pres.—Hinganghat, Distt Wardha. Perm.— C/o E.B. Rajhansa, P.O. Sonai, Distt Ahmednagar	Agricultural Assistant.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7979	Rakeshit, Sanat Chaudhary.	1925	B.Sc. Agri. (Banaras—'48) M.Sc. Agri. spl. Mycology & Plant Pathology. (Banaras—'50)	Since 1951 teaching and imparting practical training in agriculture besides doing microbiological studies of soils.	Pres.—S.K.C.G. College, Paralakimedi, District Ganjam. Perm.—Manikham, P.O. Motiganj, Balasore.	Lecturer in Agriculture.	TR-G.
7980	Ram, Kunja Behari.	1920	B.Sc. (Patna—'40) B.Sc. Agri. (Agra) M.Agr.Sc. (New Zealand)	Horticultural and fruit production work.	Pres.—Bhagalpur, Bihar. Perm.—Vill. Dighi, P.O. Bhagaya, Distt. Sonthal Parganas.	Fruit Production Officer.	STO-G.
7981	Raman, Nangavaram Valdyanatha.	1926	B.Sc. Agri. (Madras) D.I.H. (Madras)	Plant protection work.	Pres.— Agricultural Research Station, Tindivanam, Distt. S. Arcot. Perm.—C/o N.R. Akandegvaran, Mirasdar, Nangavaram, District Trichinopoly.	Jr. Assistant.	STO-G.
7982	Ramanna, Turuvekere.	1913	B.Sc. (Mysore—'36) L.Ag. (Bangalore—'39)	Raising of tobacco nurseries, tobacco grading, curing and quality control.	Pres.—Chirala, District Guntur. Perm.—Do.	Tobacco Grading Inspector.	STO-G.
7983	Ramnath, D.	1909	B.Sc. Agri. (Punjab—'25)	12 years experience in agricultural entomological research and 18 years in general agriculture.	Pres.—Kangra. Perm.—Panipat, Distt. Karnal.	Distt. Agricultural Officer.	STO-G.
7984	Rempur, Basappa Malasiddappa.	1927	B.Sc. Agri. Hons. (Bombay—'48)	Soil conservation work.	Pres.—Bilgi, Distt. Bijapur, Bombay. Perm.—C/o M.R. Nagthane, Adat Shop, Bijapur.	Agricultural Officer.	STO-G.
7985	Ramrao, Dhareshwar Shantaram.	1911	B.Ag. (Bombay—'32)	Carried out horticultural work for 12 years, now engaged in agricultural extension work.	Pres.—Karwar.	Asstt. District Agricultural Officer.	STO-G.
7986	Rana, Satya Pal Singh.	1926	B.Sc. Agri. (Agra—'48)	Sugarcane cultivation and development.	Pres.—Range Coordination Office, Meerut. Perm.—Vill. & P.O. Bharal, Distt. Meerut.	Cane Inspector.	STO-G.
7987	Randhawa, Joginder Singh.	1919	B.Sc. Agri. (Punjab—'42)	General agricultural work.	Pres.—Ludhiana. Perm.—P.O. Tharu, Tehsil Tarn Taran, Amritsar.	Agricultural Inspector.	STO-G.
7988	Rana, Dattatraya Appa.	1927	B.Sc. Agri. Hons. (Karnatak—'50)	...	Pres.—Agricultural School, Manjri, Distt. Poona. Perm.—P.O. Halge, Taluka Karwar, Distt. North Karwar.	Agricultural Officer.	STO-G.
7989	Rane, Ramkrishna Dharma.	1926	B.Sc. Agri. (Poona)	Soil conservation.	Pres.—Visanji Nagar, Jalgaon, East Khandesh. Perm.—P.O. Bamnod, Taluk Yaval, District East Khandesh.	Agricultural Officer.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. St.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
7990	Rane, Yashwantrao Shivramrao.	1907	B.Ag. (Bombay)	14 years experience in soil conservation & dry farming and 4 years in general agricultural work.	Pres.—I/c Agricultural Research Station, Shola- pur. Perm.— C/o Shri J.S. Rane, Vidya Building, 229, Sadashiv Peth, Poona 2.	Agricultural Officer.	STO-G.
7991	Rangaswamy, D.P.	1925	B.Sc. Agri. (Madras —'47)	Sugarcane cultivation.	Pres.—59, Shenoynagar, Madras 10. Perm.— Do.	...	Un.
7992	Rao, Belakavadi Venkateshiah Srinivasa.	1929	B.Sc. Hous. (Mysore —'49) P.G training in Agric. Statistics, (I.C.A.R., New Delhi—'51)	Agricultural statistics and sample surveys.	Pres.— Sugarcane Re- search Scheme, Padag- on, Nira, District Poona. Perm.— 1442, Krishna Raja Mohalla, Mysore.	Statistical Officer.	STO-G.
7993	Rao, Challakonda Hanumantha.	1914	B.Sc. Agri. (Madras —'37)	Since 1937 serving in the agriculture department	Pres.— College Farm, Agricultural College, Bapatla. Perm.— 17/105, Rudri- vari Street, Visakapat- tanam.	Supdt.	STO-G.
7994	Rao, Chennapragada Venkateswara.	1927	B.Sc. Agri. (Banaras —'48)	Agricultural propaganda.	Pres.—Mulug. Perm.—C/o Sri C. Ran- gappa, Srirampuram, Bhimavaram.	Agricultural Assistant.	STO-G.
7995	Rao, Chintamaneni Dharma.	1927	B.Sc. (Andhra—'49)	Analysis of manures and fertilizers.	Pres.—Agricultural Col- lege, Bapatla, Distt. Guntur. Perm.—P.O. Duggirala, Distt. Guntur.	Chemical Analyst	STO-G.
7996	Rao, Chintapalli Sanyasi.	1921	B.Sc. Agrl. (Andhra)	Conducting varietal trial of Cambodia cottons.	Pres.—Agricultural Re- search Station, P.O. Bellary. Perm.—C/o C. Paidayya- guru, Sarabanda Street, Anakapalli.	Assistant.	STO-G.
7997	Rao, Damaraju Radhakrishna.	1917	B.Sc. Agri. (Madras —'42)	Teaching of agronomy.	Pres.—Agricultural Col- lege, Bapatla. Perm.— Ramachandra- nepeta, Eluru.	Asstt. Lecturer.	T-G.
7998	Rao, Desai Narayana.	1917	B.A. (Madras—'36) B.Sc. Agri. (Madras —'39)	Analysis of manures & fertilizers.	Pres.—Agricultural Col- lege, Bapatla. Perm.— Fort, P.O. Nan- dyal.	Chemical Analyst.	STO-G.
7999	Rao, Gummaraju Gopala.	1915	L.Ag. (Bangalore—'38)	Tobacco cultivation, grading and marking of tobacco for export.	Pres.—Kothapet, Guntur. Perm.—P.O. Gowdpalli Laxmipuram, Taluka Srinivasapur, District Kolar.	Inspector. (To- bacco Grading)	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8000	Rao, H.G. Gopala.	1918	B.Sc. Hons. (Mysore —'35) M.Sc. (Banaras—'37)	Since 1941 conducting investigations on mineral and nutritional problems of crops, published papers on soil fertility and influence of trace elements on agricultural crops.	Pres.—Chemistry Section, Department of Agriculture, Bangalore. Perm.— Do.	Asstt. Chemist.	R-G.
8001	Rao, H.S. Gopala.	1912	M.Sc. Agric. Bot. (Banaras—'37)	Tobacco cultivation, curing, grading and inspection of packed tobacco.	Pres.—Guntur. Perm.— Do.	Inspector. (Tobacco Grading)	STO-G.
8002	Rao, Halleppanavar Narasim Laxman.			For particulars, refer to S. No. ST. 7480 on page 890.			
8003	Rao, Immaneni Sambabuva.	1910	B.Sc. Agri. (Madras —'32)	Management of sugar-cane farms, demonstration of improved agricultural practices and teaching of agricultural subjects.	Pres.—Agricultural College, Bapatla. Perm.—Alcott Gardens, Rajahmundry.	Asstt. Lecturer in Agriculture	T-G
8004	Rao, K. Govind.	1926	B.Sc. Agri. (Madras —'47)	5 years farm management work.	Pres.—Agricultural Research Station, Rudrur, Distt. Nizamabad. Perm.—Kothagudium.	Asstt. Farm Supdt.	STO-G.
8005	Rao, Kamkolkar Manik.	1912	B.Sc. Agri. (Nagpur —'38) Training in Agri. Statistics. (Calcutta —'39)	Since 1940 engaged in agriculture and agricultural statistics.	Pres.—Directorate of Agriculture, Hyderabad Perm.—Vill. Kamkol, P.O. Kohir, District Medak, Hyderabad.	Asstt. Director of Agriculture (Seeds & Statistics)	STO-G
8006	Rao, Karnad Radha-krishna.	1925	B.Sc. Agri. (Madras —'46)	Agricultural entomology, cultivation and breeding of sweet potato and tapioca.	Pres.—17-C43, Kaprigudda Road, Falnir, Mangalore 1. Perm.—C/o Dr. Karnad Ramachandra Rao, Falnir, Mangalore 1.	Assistant.	STO-G.
8007	Rao, Madaja Rama-lingeswara.	1925	B.Sc. Agri. (Madras —'48)	Since 1948 working in oilseeds section of the agriculture department.	Pres.—Agricultural Research Station, P.O. Tindivanam, S. Arcot. Perm.—P.O. Krupa, Distt. Guntur.	Assistant	STO-G.
8008	Rao, P.N. Anantha-krishna	1919	B.Sc. Agri. (Madras —'48)	Improvement work in paddy and management of agricultural farms.	Pres.—Paddy Breeding Station, Mangalore 2. Perm.—Udupi, South Kanara.	Assistant in Paddy.	STO-G.
8009	Rao, R.S. Bindumadhava.	1926	B.Sc. Agri. (Banaras —'49)	Paddy improvement.	Pres.—Agricultural Research Station, Aduthurai, Distt. Tanjore. Perm.— 78, Gandhi Bazar, P.O. Basavangudi, Bangalore 4.	Assistant in Paddy.	STO-G.
8010	Rao, Vasudeo Venkat.	1919	B.Sc. Agri. (Bombay —'44)	For the last 8 years teaching general botany and plant physiology; published papers on the use of hormones as herbicides.	Pres.—15, Deccan Gymkhana, Poona 4.	Demonstrator.	T-

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8011	Rao, Vishnubhotla Lakshmi Narasimha.	1925	B.Sc. Agri. (Banaras —'49) M.Sc. Agri. spl. Plant Physiology. (Banaras —'61)	Crop improvement work in oilseeds.	Pres.— Himayethsagar Farm, Hyderabad. Perm.— Department of Agriculture, Hyderabad.	Research Asstt.	R-G.
8012	Rastogi, Prasad. Jagdish	1924	B.Sc. Agri. (Banaras —'49)	Sugarcane agronomy.	Pres.— Siripur Farm, P.O. Kalyanpur, Saran. Perm.— P.O. Kudra, Distt. Shahabad.	Jr. Research Assistant.	STO-G.
8013	Rathore, Diwan Singh.	1917	B.Sc. Agri. (Punjab —'38)	Teaching and general agricultural work.	Pres.— 187, Model Town, Ludhiana. Perm.— Do.	Asstt. Prof. of Agriculture	T-G
8014	Raut, Vasudeo Damodar.	1921	B.Sc. Agri. (Bombay —'45)	Paddy cultivation by improved methods.	Pres.— P.O. Palghar, Distt. Thana. Perm.— P.O. Bordi, Distt. Thana.	Agricultural Officer.	STO-G.
8015	Rebello, Noel Salvadore Paul.	1927	B.Sc. Agri. (Madras —'50)	Improvement work in paddy & sweet potato and management of farms.	Pres. — Paddy Breeding Station, Mangalore. Perm.— Kallianpur, South Kanara.	Assistant.	STO-G.
8016	Reddy, Vakati Rajagopal.	1919	B.Sc. Agri. (Madras —'43)	9 years service in agriculture department.	Pres.— Rice Research Station, Buchireddipalem, Distt. Nellore. Perm.— Ramareddipalem, Chingleput, Madras.	Sr. Scientific Assistant.	STO-G.
8017	Ruvala, Tara Singh.	1905	B.Sc. Agri. (Punjab —'27) M.Sc. Agri. spl. Plant Breeding & Genetics. (Punjab—'46)	Management of agricultural farm, vegetable cultivation, extension and development work in agriculture.	Pres.— Agricultural Station, Jullundur. Perm.— Vill. Lohari Kalan, P.O. Dhunda, Distt. Fatehgarh Sahib, PEPSU.	Manager.	STO-G.
8018	Saini, Sunder Singh.	1915	B.Sc. Agri. (Punjab —'39)	12 years service in agriculture department.	Pres — Ajnala, District Amritsar. Perm — Vill. Chakra, P.O. Khare, Tehsil Raubir-singhpura, Jammu & Kashmir State.	Agricultural Inspector.	T-G.
8019	Sampath Kumaran, Madavalam Shama-char.	1918	L.Ag. (Bangalore)	8 years work in fruit nurseries and fruit farming.	Pres.— Govt. Agricultural Farm, Rudtur. Perm.— 395, Hardikar Bagh, Hyderabad.	Horticultural Assistant	STO-G
8020	Sandhar, Manmohan Singh.	1923	B.Sc. Agri. (Punjab —'45)	Farm management, agricultural demonstration and agronomical research.	Pres.— Govt. Agricultural Station, Jullundur City. Perm.— Vill. & P.O. Kotli Than Singh, Jullundur.	Agricultural Assistant.	STO-G.
8021	Sandhu, Haroharan Singh.	1924	B.Sc. Agri. (Punjab —'45)	General agriculture and plant protection work.	Pres.— Amritsar. Perm.— Vill. Boot, P.O. Basti Sheikhan, Distt. Jullundur.	Plant Protection Asstt	STO-G
8022	Sandhu, Karam Singh.	1922	B.Sc. Agri. (Punjab —'43)	Farm management, propaganda and district agricultural work.	Pres.— Jagraon. Perm.— Vill. Mana Singh-wala, P.O. Ghall Khurd, Distt. Ferozepur	Agricultural Inspector.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8023	Sankaram, Ayala-somayajula.	1917	B.Sc. Agri. (Madras —'39) Assoc. I.A.R.I., Soil Science and Agri. Chem. (New Delhi —'50)	Teaching and research work in physical chemistry & soil science; published papers on agronomy, chemistry of sugarcane and soil science.	Pres.—College of Agriculture, Bapatla, Distt. Guntur. Perm.— Do.	Asstt. Lecturer.	TR-G.
8024	Saoji, Prophulla-kumar.	1916	B.Sc. Agri. (Nagpur —'48)	5 years service in agriculture department.	Pres.— Office of the Extra Asstt. Director of Agriculture, Buldana. Perin.— Narayan Niwas, Buldana.	Agricultural Assistant.	STO-G.
8025	Sarambekar, Krishnamurari Ramkrishna	1917	B.Sc. Agri. (Nagpur —'49)	8 years work in agricultural demonstration and propaganda.	Pres.— Jalgaon, Distt. Buldana. Perm.— C/o Saramba, P.O. Deulgaon Mabi, Taluk Chikhali, Distt. Buldana, M.P.	Agricultural Assistant.	STO-G.
8026	Saren, Mayadhusb.	1918	B.Sc. Agri. (Agra—'39)	10 years analytical work in sugarcane, soils and manures	Pres.— Main Sugarcane Research Station, Shahjahanpur. Perm.— Do.	Jr. Chemical Assistant.	STO-G
8027	Sarma, A.H. Subramania.	1907	B.Sc. Agri. (Madras —'29)	Agricultural marketing (7 years), farm management (10 years) and teaching work (4 years).	Pres.— Agricultural College, P.O. Lawley Road, Coimbatore. Perm.— Do.	Assistant	T-G.
8028	Sarma, Krishna. Itakala	1925	B.Sc. Agri. (Andhra —'49)	Multiplication of improved paddy seed.	Pres.—Wanaparthi, Distt. Mahaboobnagar. Perm.—C/o Dr. I. Bhima Rao, Somvarpet, Raichur.	Agricultural Assistant.	STO-G.
8029	Sarma, Mallela Venu Gopalakrishna.	1921	B.Sc. Agri. (Madras —'43)	Farm management and agricultural development.	Pres.—Agricultural College Farm, Bapatla. Perm.— Pedakondur, Taluq Tenali, District Guntur.	Farm Manager	STO-G.
8030	Sarse, Murlidhar Ramsahay.	.	B.Sc. Agri. (Nagpur —'51)	...	Pres.— Govt. Seed & Demonstration Farm, Drug, M.P. Perm.— P.O. Seoni, via Pandhurna, District Chhindwara.	Agricultural Assistant.	STO-G.
8031	Sastri, Ramachandra Sastri Pulivindalam Laxminarayan.	1909	L Ag. (Bangalore—'35) B.Sc (Mysore—'40)	Knowledge of sugarcane and tobacco cultivation, grading and marketing.	Pres.— Office of the Chief Inspector, Tobacco Grading, Kothapet Main Road, Guntur. Perm.— Do.	Inspector (Tobacco Grading)	STO-G.
8032	Satyabalan, Konanath.	1921	B.A. (Madras—'45) B.Sc. Agri. (Madras —'48)	For 4 years worked in jute cultivation and marketing and now doing botanical studies in coconut.	Pres.—Central Coconut Research Station, Kasaragod, South Kanara Perm.— C/o Dr. T.C. Govinda Menon, "Rose Villa", Devakotta, Rannad.	Jr. Research Assistant.	R-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8033	Satyanarayana, Mulukutla.	1901	B.A. (Madras—'20) B.Sc. Agri. (Madras —'24)	26 years service in agriculture department, worked in the fields of agronomy, statistics, plant physiology and evolved new strains of paddy; published a large number of papers on agricultural topics.	Pres.—Agricultural College, Bapatla, Perm.—19/2/7, Latchiraju Street, Suryarao-peta, Kakinada.	Principal.	TR-G.
8034	Saudagar Singh.	1916	B.Sc. Agri. (Punjab —'42)	Worked for 4 years in general agriculture, now teaching dairying and agriculture to degree classes.	Pres.—Govt. Agricultural College, Ludhiana. Perm.— VIII. & P.O. Jalalabad, Moga, Distt. Ferozepur.	Lecturer in Agriculture.	T-G.
8035	Sawant, Raghunath Yashwant.	1922	B.Sc. Agri. (Bombay —'48)	Doing improvement work in paddy.	Pres.—Govt. Farm, Ratnagiri. Perm.—Jaki-Mirya, P.O. Ratnagiri.	Assistant.	STO-G.
8036	Sawant, Sadasiv Yeshwant.	1903	B.Ag. Hons. (Bombay)	Agricultural economics and propaganda.	Pres.—Khasbag, Nandrekar Bldgs., Kolhapur. Perm.— Do.	Distt. Agricultural Officer.	STO-G.
8037	Saxena, Jagdish Swaroop.	1926	B.Sc. Agri. (Agra—'47)	Studying soils of the sugarcane tract of Western U.P.	Pres.—Soil Section, Govt. Sugarcane Research Station, Shahjahanpur. Perm.—C/o Bisheshwar Dayal, Mohalla Barahi Tola, Etawah.	Jr. Chemical Assistant.	STO-G.
8038	Syeed, P.M.	1911	B.Sc. Agri. (Madras —'38)	13 years research work in coconut cultivation.	Pres.—Agricultural Research Station, P.O. Nileshwar, Distt. South Kanara. Perm.—Near English Church, Cannanore, Distt. Malabar.	Assistant-in-Charge.	R-G.
8039	Sen, Ashutosh.	1901	B.Sc. (Dacca—'22) M.Sc. (Dacca—'24) Assoc. I.A.R.I. (Pusa, Bihar—'26) Ph.D. Agri. Chem. (London—'29)	For 10 years worked in teaching agricultural chemistry and 12 years in soil conservation & land development work. Specialisation in soil technology, soil conservation, land reclamation and land utilisation. Published a number of papers concerning the above subjects.	Pres.— Public Service Commission, West Bengal, Anderson House, Alipore, Calcutta 27. Perm.— 'Pratichi', P.O. Santiniketan, Birbhum.	Member.	G.
8040	Sen, Hemendra Kumar.	...	B.Ag. (Nagpur—'38)	Farm management and horticulture.	Pres.—42/5, Bediadanga, 2nd Lane, Tiljala, Calcutta. Perm.— Do	...	Un.
8041	Sen, Sudhirchandra.	1906	B.Sc. (Calcutta—'28) M.Sc. Botany. (Calcutta—'30)	Since 1932 doing agro-nomical research and teaching postgraduate classes. Published papers on manuring of field crops, design of field experiments and cattle management.	Pres.— Indian Agricultural Research Institute, New Delhi 12. Perm.—26, Beni Banerjee Avenue, Dhakuria, Calcutta 31.	Agronomist.	TR-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8043	Sengupta, Kalidas,	1924	B.Sc. Hons. (Calcutta—'48) M.Sc. Chemistry. (Calcutta—'45) Ph.D. Soil Science. (California—'49)	Carrying out soil survey, land reclamation, manurial and irrigational experiments.	Pres.— Mayurakshi Reservoir Project, Suri, Birbhum, W. Bengal. Perm.— 35 B, Jatin das Road, Calcutta 29.	Agronomist.	R-G.
8048	Shah, Hasvadan Hiralal.	1929	B.Sc. Agri. Hons. (Bombay—'51)	...	Pres.— O/o Hiralal Maganlal Shah, Circle Officer, Rena Street, Jambusar, Distt. Broach. Perm.— Do.	Clerk.	Un.
8044	Shah, Rajul Raojeebhai.		For particulars, refer to S. No. ST. 7263 on page 866.				
8045	Shah, Ramaniklal Manilal.	1927	B.Sc. Agri. Hons. (Bombay—'48)	Propaganda of improved methods of agriculture.	Pres.— Patel, District Kaira. Perm.— Dave Pole, Nadiad, Distt. Kaira.	Agricultural Officer.	STO-G.
8046	Shahaney, Drupadi Jauhermal. (Miss)	1915	B.Sc. (Bombay—'37) Ph.D. Agri. Bact. (London—'39) D.I.O. Agri. Bact. (London—'39)	Engaged in microbiological research.	Pres.—O/o S.J. Shahaney Esq., Ordnance Factory, Dehra Dun. Perm.— Do.	Specialist Officer.	R-G.
8047	Sheikh Mahmud.	1918	B.Sc. (Nagpur—'44) Training in Agriculture. (Nagpur—'46) LL.B. (Nagpur)	...	Pres.—O/o Deputy Director of Agriculture, Cotton Zone, Amravati. Perm.— Do.	Tech. Asstt.	STO-G.
8048	Sharma, Amritlal Govindji.	1925	B.Sc. Agri. (Gujarat—'52)	...	Pres.— P.O. Rankuwa, Distt. Surat. Perm.— Do.	...	Un.
8049	Sharma, Babu Ram.	1908	B.Sc. Agri. (Punjab)	Since 1986 serving in Army Remount Department.	Pres.— Army Remount Depot, Saharanpur. Perm.— Do.	Farm Overseer.	STO-G.
8050	Sharma, Hari Ram.	1900	B.Sc. Agri. (Punjab—'26)	28 years teaching including 10 years research work in agricultural chemistry.	Pres.—Govt. Agricultural College, Ludhiana. Perm.— Do.	Lecturer in Chemistry.	T-G.
8051	Sharma, Ramesh Datta.	1927	B.Sc. Agri. (Agra—'50) M.Sc. Agri. Economics & Estate Management. (Agra—'52)	...	Pres.— C/o Babu Ram Sharma, New Mandi, Muzaffarnagar. Perm.— Do.	...	Un.
8052	Sharma, Sukhi Ram.	1903	B.Sc. Agri. (Punjab—'26)	District agricultural work.	Pres.— Ambala City.	Agricultural Inspector.	STO-G.
8053	Shinde, Lalasaheb Naunesaheb.	1924	B.Sc. Agri. (Poona—'49)	Agricultural propaganda and extension work.	Pres.— Miraj Division, Sangli, Distt. S. Satara. Perm.— P.O. Aravade, Taluka Tasgaon, Distt. S. Satara.	Agricultural Officer.	STO-G.
8054	Shiwalker, Ramchandra Shivarampant.	1918	B.Ag. (Nagpur—'36) M.A. Economics. (Nagpur—'44)	Agricultural extension, economics and propaganda work, contributions on rural life and activities.	Pres.—Durg, M.P. Perm.—Vill. Shiwal, P.O. Burhanpur.	Extra Asstt. Director of Agriculture.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8055	Shrivastava, Jugal Kishore.	1899	Dip. in Agric. (Nagpur —'21)	30 years service in agriculture department.	Pres.— Seoni, Distt. Chhindwara. Perm.— Bamholi, P.O. Seoni, Distt. Chhindwara.	Agricultural Assistant.	STO-G.
8056	Shrivastava, Vaidya Nath Prasad.	1926	B.Sc. Agri. (Patna —'50)	Agronomical research work in sugarcane.	Pres.—P.O. Bihla, Distt. Patna. Perm.—C/o Syt. K.N.P. Shrivastava, Vill. Manjhupur, P.O. Parasuna, Distt. Saran.	Jr. Research Assistant.	R.G.
8057	Shukla, Swarup. Shanti	1922	B.Sc. Agri. (Agra-'47)	For the last 4 years working on sugarcane agronomy.	Pres.— Khurpia Farm, Kichha, Distt. Nainital. Perm.— Vill. Turtipur, P.O. Hardoi.	Jr. Agronomical Assistant.	STO-G.
8058	Shunmuganair, Tiruvelvill Piramanayagan.	1917	B.Sc. Agri. (Madras) Training in Agric. Engg. (Coimbatore)	10 years service in agriculture department having experience in propaganda and demonstration work. Since 1950 looking after the maintenance and repair of agricultural machinery supplied to ryots.	Pres.—Tractor Workshop, Coimbatore. Perm.— No. 87, North Car Street, P.O. Tenkasi, Distt. Tirunelveli.	Agricultural Engineering Supervisor.	STO-G.
8059	Sikka, Lal Chand.	1918	B.Sc. Agri. (Punjab —'39)	Agronomical work in tobacco crop.	Pres.—C/o The Agronomist (Tobacco) to Govt. of Punjab, G3, Jhoke Road, Ferozepur Cantt Perm.—Vill. & P.O. Aval, Distt. Rohtak.	Agricultural Assistant	STO-G.
8060	Singh, B.N.	1918	B.Sc. Agri. (Agra-'37)	For 6 years carried out general agricultural work and since 1947 doing soil analysis and soil survey with reference to sugarcane.	Pres.— Sugarcane Research Station, Shahjahanpur. Perm.— Do.	Sr. Research Assistant.	STO-G.
8061	Singh, Baleshwar Prasad.	1921	B.Sc. Agri. (Agra-'45) Assoc I.A.R.I. Sugarcane Agronomy. (New Delhi—'50)	Sugarcane agronomy.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.—Vill. Pokharpur, P.O. Parsa, Distt. Saran	Govt Development Officer.	STO-G.
8062	Singh, Bhawani Shankar.	1925	B.Sc. Agri. (Agra-'50)	Control of crop pests and diseases.	Pres.—Plant Protection Sub Centre, Civil Lines, Gonda. Perm.—Vill. Shivadasa, P.O. Chenbepur, Distt. Banaras.	Jr. Plant Protection Asstt.	STO-G.
8063	Singh, Parsad.	1927	B.Sc. Agri. (Agra-'48) M.Sc. Agric. Economics & Estate Management. (Agra —'50)	...	Pres. Govt. Ustar Reclamation Farm, Dha-kauli, Distt. Hardoi. Perm.—Vill. Gaur, P.O. Barhaj, Distt. Deoria.	Agricultural Inspector.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8064	Singh, Prescott. Hartwell	1906	B.Sc. (Lucknow-'29) B.Sc. Agri. (North Wales—'33) Dip. in Sugar Tech- nology. (Trinidad —'34) Training in Plant Breeding & Cytology. (Cornell —'35)	Since 1936 serving in agriculture department, experience in plant breeding, sugar techno- logy and agricultural propaganda.	Pres.—Lucknow. Perm.— 28, Kutchery Road, Lucknow.	Horticultural Officer.	STO-G.
8065	Singh, Indra Sen.	1926	B.Sc. Agri (Agra-'46) M.Sc. Agri, spl. Agro- nomy. (Agra-'49)	Worked in teaching line for 4 years and now engaged in soil conser- vation work.	Pres.— Usar Reclama- tion Farm, Dhakauni, Hardoi. Perm.— Vill. Bausnari, P.O. Kerakat, District Jaunpur.	Sr. Agricultu- ral Inspector.	STO-G
8066	Singh, Jagannath.	1924	B.Sc. Agri (Agra-'44) M.Sc. Agri Bot. (Banaras—'46) Assoc. I.A.R.I. Plant Pathology & Myco- logy. (New Delhi —'48)	4 years service in agri- culture department.	Pres.—Pilibhit. Perm.— Vill. Dumaria Babu, P.O. Menhdawal, Distt. Basti.	Distt. Agricul- tural Officer.	STO-G.
8067	Singh, Prasad. Kamala	1930	B.Sc. Agri. (Agra-'49)	Field soil analysis.	Pres.— Regional Soil Laboratory, 54, Kesho Ashram, Banaras. Perm.— Vill. Ranepur, P.O. Sakaldihia, Distt. Banaras.	Jr. Soil Asstt.	STO-G.
8068	Singh, Karan Pal.	1928	B.Sc. Agri. (Agra-'45)	For the last 6 years engaged in chemical work in sugarcane re- search.	Pres.— Sugarcane Re- search Station, Shah- jahanpur. Perm.—Vill. Nagla Ima- lia, P. O. Hathras, Distt. Aligarh.	Jr. Chemical Assistant.	STO-G.
8069	Singh, Pratap. Mahendra	1924	B.Sc. Agri. (Agra-'48) M.Sc. Botany. (Allaha- bad—'45) Ph.D. Agronomy. (Rutgers, U.S.A.—'49)	Agronomy and technical work concerning agricul- tural farms.	Pres.—C/o Deputy Di- rector of Agriculture, Basic Seed Stores & Farms, Lalbagh, Luck- now. Perm.—Vill. Sauna, P.O. Singarpur, Distt. Ghazi- pur.	Agricultural Officer. (Head Quarters)	STO-G.
8070	Singh, Ramavtar.	1926	B.Sc. Agri. (Allahabad —'49)	Doing research in soil chemistry.	Pres.— Central Sugarcane Research Station, P.O. Pusa, Distt. Dar- bhanga. Perm.—Vill. Dhathara, P.O. Apher, District Saran, Bihar.	Jr. Research Assistant.	STO-G.
8071	Singh, Ram Prasad.	1921	B.Sc. Agri. (Agra)	Conducting agronomical experiments.	Pres.— Jamnabud Farm, Gola Golagokaran Nath, Lakhimpur-Kheri. Perm.— C/o Ram Swar- nath Singh, Head Clerk, District Board, Rae- Bareilly.	Jr. Agronomi- cal Asstt.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8072	Singh, Shiva Das.	1922	B.Sc. Agri. (Agra-'48) M.Sc. Agri. Economics & Estate Management. (Agra —'50)	...	Pres.— C/o Shri Sahib Singh, Employment Exchange, Gorakhpur. Perm —Vill. Jamunibari, P.O. Chaudwak, Distt. Jaunpur.	...	Un.
8073	Singh, Surendra Pratap.	1928	B.Sc. Agri. (Agra) M.Sc. Agri. Economics. (Agra)	Development of usur land and management of agricultural farm.	Pres.—User Reclamation Farm, Dhakauni, Distt. Hardoi. Perm.— Vill. Labkani, P.O. Gauri Bazar, Distt. Deoria.	Agriculture Inspector	STO-G.
8074	Singh, Tej Pal.	1922	B.Sc. Agri. (Agra-'44)	User land reclamation.	Pres.— User Reclamation Farm, Dhakauni, Distt. Hardoi. Perm —Vill. Doothri, P.O. Pilkuwa, Meerut.	Agricultural Inspector.	STO-G.
8075	Singh, Uday Narain.	1928	B.Sc. Agri. (Agra-'50)	Agronomical work in sugarcane.	Pres.— Sugarcane Zonal Centre, Motipur, Distt. Muzaffarpur. Perm —Vill. Bagahi, P.O. Mardah, Ghazipur.	Jr. Research Assistant	STO-G
8076	Sinha, Brahmdeo.	1920	B.Sc. Agri. (Patna —'49)	Since 1939 serving in agriculture department, experience in agricultural development and propaganda.	Pres.—Sugarcane Zonal Centre, Lalgarh, P.O. Bettiah, Champaran. Perm.—Vill. Deoria, P.O. Taratiya, District Saran.	Sr. Agronomical Assistant.	STO-G.
8077	Sinha, Madhaw	1929	B.Sc. Agri (1949)	Since 1949 engaged in agronomical research in sugarcane, knowledge of statistical methods as applied to agriculture.	Pres.—Central Sugarcane Research Station, P.O. Pusa, Distt. Darbhanga. Perm.—C/o Munshi Mandal, Vill. Bishambherchak, P.O. Amarapur, Bhagalpur.	Sr. Research Assistant.	R-G.
8078	Sinha, Ram Prasad.	1926	B.Sc. Agri. (Patna —'51)	Horticultural development work.	Pres.— Fruit Research Section, P.O. Sabour, Bhagalpur. Perm.—Vill. Amba, P.O. Dahila, Distt. Muzaffarnagar.	Horticultural Inspector.	STO-G.
8079	Sirur, Shantaram Shankar.	1904	B.Ag. (Bombay—'26)	25 years research work in soil problems concerning agriculture, published papers on soil survey and soil classification.	Pres.— Soil Physicist's Section, Shelga, Sholapur. Perm.— C/o Pandurang S Sirur, Prince Extension, Davangeri, Mysore.	Soil Chemist.	R-G.
8080	Sitalakshmi, Velagapudi	1924	B.Sc. Agri. (Andhra)	Farm management.	Pres.—Botanical Gardens, Agricultural College, Bapatla. Perm.—C/o V. Subbarao Esq., Advocate, Bapatla.	Farm Manager.	STO-G
8081	Sobhanadri, Nandyal.	1909	B.Sc. Agri. (Madras —'32)	16 years marketing and agricultural work.	Pres.—Agricultural College, Bapatla, District Guntur. Perm.—18/254, Gandhi-nagar, Vijayawada 2.	Asstt. Lecturer in Agriculture.	T-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualificatíons	Experience	Address (s)	Present post	Remarks
8082	Sonawane, Nanddeo- rao Sakharam.	1929	B.Sc. Agri. (Bombay —'47)	Agricultural propaganda.	Pres.— Vaidya Wadi, Ghantali, Thana. Perm.— P.O. Thalner, Taluka Shirpur, Distt. West Khandesh.	Agricultural Officer.	STO-G.
8083	Sreenivasan, Peruvemba Seshu Iyer.	1918	B.Sc. Agri. (1940) M.Sc. (1942)	For 9 years carried out research in plant phy- siology and applied statistics. Since 1945 working in crop-weather research scheme. Pub- lished papers on agricul- tural meteorology and statistics.	Pres.— Division of Agri- cultural Meteorology, Meteorological Office, Poona 5. Perm.— East Peruvemba, P.O. Peruvemba, v/a Palghat.	Asstt. Meteo- rologist. (Statistician)	R-G.
8084	Srinivasan, Tiruven- katachari.	1909	B.Sc. Agri. (Madras —'35) L.T. (Madras—'39)	Teaching agricultural subjects.	Pres.— Agricultural Col- lege, Coimbatore. Perm.— 4, Erramaraju Street, Trivapuliyur, Distt. South Arcot.	Agricultural Assistant.	T-G.
8085	Srinivasulu, Kanu- perthi.	1925	B.Sc. Agri. (Madras —'47)	Farm management, agricultural demonstra- tion and paddy im- provement work.	Pres.— Rice Research Station, P.O. Buchireddipalyam, Distt. Nellore. Perm.— O/o K. Jayar- amalai, P.O. Kala- hasti, Distt. Chittoor.	Assistant in Paddy.	STO-G.
8086	Srivastava, Keshava Prasad.	1932	B.Sc. Agr., Engg. (Allahabad)	...	Pres.— Govt. Agricultural College, Kanpur. Perm.— Karchana, Allahabad.	Demonstrator in Agricultural Engg.	T-G.
8087	Srivastava, Lakshmi Narain.	1917	B.Sc. Agri. (Agra-'40)	10 years work in sugar- cane physiology.	Pres.— Main Sugarcane Research Station, Shah- jahanpur. Perm.— Mohalla Qaziaia, Sitapur.	Physiological Assistant.	STO-G.
8088	Srivastava, Lal Ji Lal.	1926	B.Sc. Agri. (Banaras —'49)	Soil analysis.	Pres.— Central Sugarcane Research Station, Pusa, Darbhanga. Perm.— Vill. Bare, P.O. Bhabua, Shahabad, Bihar.	Sr. Research Assistant.	STO-G.
8089	Subrahmanyam, Jagarlapudi.	1921	B.Sc. Agri. (Madras —'42) D.I.H. (Madras—'49)	Farm management and fruit growing.	Pres.— Agricultural Col- lege Farm, Bapatla, Distt. Guntur. Perm.— Old Town, Kavali, Distt. Nellore.	Farm Manager.	STO-G.
8090	Subramaniam, R.	1921	B.Sc. Agri. (Madras —'43) Training in Sericulture. (Madras)	Production of improved mulberry seeds, organiza- tion and development of mulberry farms, rearing and hybridisa- tion of silk worm.	Pres.— Govt. Silk Farm, Department of Sericul- ture, Palmaner, Distt. Chittoor. Perm.— O/o The Seri- cultural Expert, P.O. Kollegal.	Farm Manager.	STO-G.
8091	Sukhbir Singh.	1928	M.Sc. Agr., Bot. (Agra—'52)	...	Pres.— Vill. Athain, P.O. Bhopa, Distt. Muzaffarnag- gar. Perm.— Do.	...	Un.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8092	Sukhbir Singh.	1928	B.Sc. Agri. (Agra-'51)	...	Pres.—Janta Higher Secondary School, Lumb, Meerut. Perm.—C/o Mohan Lal, P.O. Bitaoda, Distt. Muzaffarnagar.	Asstt. Teacher.	T-NG.
8093	Sundar Singh.	1922	B.Sc. Agri. (Agra-'43) Assoc. I.A.R.I. Agro-nomy. (New Delhi —'49)	User land reclamation.	Pres.—Govt. User Reclamation Farm, Rahimabad, Lucknow. Perm.— Vill. Dhakrol, P.O. Bisawar, District Mathura.	Sr. Agricultural Inspector.	STO-G.
8094	Suryanarayana, K.S.	1920	B.Sc. Agri. (Madras —'42)	Teaching agricultural economics.	Pres.—Agricultural College, Bapatla, Distt. Guntur. Perm.— Do.	Assistant.	T-G.
8095	Suthar, Shankerlal Kubherbhai.	1926	B.Sc. Agri. (Bombay —'49)	Agricultural propaganda and extension work.	Pres.— Kalol, District Panchmahal. Perm.—Malav, Taluka Kalol, Distt. Panchmahal.	Agricultural Officer.	STO-G.
8096	Syed, Hafeez Ullah Hussaini.	...	B.Sc. Agri. (Osmania —'49)	Studying crop-weather relationship.	Pres.—Govt. Main Farm, Raichur. Perm.— Opp. Girls High School, Nampalli, Hyderabad.	Assistant.	STO-G.
8097	Tagare, Vishnu Dattatraya.	1906	B.Sc. (Bombay—'30) B.Ag. (Bombay —'32)	Investigations on soil fertility, reclamation of alkaline & saline soils and soil survey; published papers on soils.	Pres.— I/c Soil Survey Section, Office of the Soil Physiologist, Sholapur Perm.— 83A, Goldfinch Peth, Sholapur.	Agricultural Officer.	STO-G.
8098	Talur, Channaveerappa Veerabhadrapa.	1928	B.Sc. Agri. Hons. (Bombay)	4 years teaching work in agronomy.	Pres.—College of Agriculture, Dharwar. Perm.— C/o Shri V.B. Talur, Chief Officer, Ranibennur Municipality, Distt. Dharwar.	Lecturer in Agronomy.	T-G.
8099	Tandon, Piara Lal.	1900	B.Sc. Agri. (Wales —'27)	Organization of co-operative societies and grading stations for marketing of agricultural commodities, hides & skins. Contributions on the marketing of agricultural products.	Pres.— Padma Vilas, Kottapet Main Road, Guntur. Perm.—C/o Agricultural Marketing Adviser to the Govt of India, 'P' Block, Raisina Road, New Delhi.	Chief Inspector (Tobacco Grading)	STA-G.
8100	Tatke, Mukund Vasudeo.	1919	B.Sc. Agri. Engg. (Allahabad—'47)	Irrigation engineering and operation of agricultural machinery.	Pres.—Office of the Agricultural Engineer, Poona. Perm.— 769/9, Anand Bhawan, Poona 4.	Mechanical Supervisor.	STO-G.
8101	Thakur, Chandrika.	1920	B.Sc. Agri. (Agra—'44) M.Sc. Agronomy. (Wisconsin—'48) Ph.D. Agronomy. (Wisconsin—'50)	Co-ordinating research work in sugarcane, published papers on corn breeding in Bihar and on agronomical topics.	Pres.—Sugarcane Research Station, Pusa, Darbhanga. Perm.—Vill. Bhul Chapra, P.O. Bahorampur, Distt. Shahabad.	Dy. Director.	R-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8102	Thandavarayan, Krishnaswamy.	1918	B.Sc. Agril. (Madras —'49)	Working on oil seeds,	Pres.—Agricultural Re- search Institute, P.O. Lawley Road, Coimba- tore. Perm.—West Street, P.O. Karungvli, Distt. Chingleput, Madras.	Assistant.	STO-G.
8103	Thind, Asa Singh.	1914	B.Sc. Agril. (Punjab —'36)	Weed control work.	Pres.—Govt. Agricultural College, Ludhiana. Perm.—197, Model Town, Ludhiana.	Lecturer in Botany.	T-G.
8104	Thombre, Madhukar Vasudeo.	1929	B.Sc. Agril. Hons. (Poona)	Sugarcane development work.	Pres.— I/o Sugarcane Development Scheme, Seed Extension Section, Shrirampur, District Ahmednagar. Perm.—Nigudesar, Taluk Ambegaon, Distt. Poona.	Agricultural Officer.	STO-G.
8105	Tipnis, Bhikaji Bhaskar	1904	B.Agr. (Bombay—'29)	Organization of co-opera- tive societies, raising and curing of cigarette tobacco and manage- ment of agricultural farm.	Pres.—Institute of Plant Industry, Indore. Perm.— Do.	Farm Ass't.	STO-G.
8106	Tyagi, Banwari Lal.	1924	B.Sc. Agril. (Agra—'46)	5 years service in agri- culture department.	Pres.—C/o Distt. Planning Officer, Moradabad. Perm.— Vill & P.O. Malpura, District Mu- zaffernagar.	District Horti- culture Ins- pector.	STO-G.
8107	Tyagi, Deo Karan Singh.	1922	M.Sc. Agril. Econo- mics & Estate Mana- gement. (Agra—'50)	...	Pres.— Office of the A.C.D.O. (D), Mohind- pur, Meerut. Perm.— Vill. Bhiroli, P.O. Balka, District Bulandshahr.	Asstt. Cane Development Officer.	STO-G.
8108	Udham Singh.	1926	B.Sc. Agril. (Punjab —'50)	...	Pres.— Vill. Basinun, P.O. Hardokhanpur, Distt. Hoshangpur. Perm.— Do.	...	Un.
8109	Upadhyaya, Shanker Ram.	1924	B.Sc. Agril. (Allahabad —'42) M.Sc. Agril. Botany. (Allahabad—'46)	For 2 years carried out research on wheat. For the last 6 years engaged in agronomical research in rice.	Pres.— Central Rice Research Institute, Cut- tack. Perm.—Jogiyapur, Jaun- pur.	Research Ass't.	R-G.
8110	Vaidya, Chintaman Sadasilo.	1924	B.Sc. Agril. (Nagpur —'46) M.Sc. Agril. spl. Agronomy. (Nagpur —'52)	For the last 7 years doing agronomical ex- periments.	Pres.— Physiological Section, Institute of Plant Industry, Indore. Perm.— 127, Rambag, Indore City.	Agricultural Assistant.	STO-G.
8111	Vaidya, Shankar Tanjali.	1928	B.Sc. Agril. (Nagpur —'49)	...	Pres.—O/o Extra Ass't. Director of Agriculture, Kawardha, M.P. Perm.— Mandwa, P.O. Anji, Distt. Wardha.	Agricultural Assistant.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. Sl.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8113	Vaidya, Shridhar Madhaorao.	1929	B.Sc. Agril. (Nagpur —'50) Assoc. I.A.R.I. Agril. Bot. (New Delhi—'52)	...	Pres.—82, New Hostel, I.A.R.I., Pusa, New Delhi 12. Perm.—C/o Shri Madha- rao Vaidya, Wadekar's House, Khatipura, Distt. Bhandara.	...	Un.
8113	Vaidya, Yeshwantrao Sheodas.	1925	B Sc. Agril. (Nagpur —'48)	...	Pres.— Karanga, Distt. Akola. Perm.— Mohati, P.O. Mahuda, Distt. Nagpur.	Agricultural Assistant.	STO-G.
8114	Vaidyanathan, M.	1907	B Sc. Agril. (Madras —'28)	20 years service in agri- culture department on extension side and 3 years in education side.	Pres.—Agricultural Col- lege, Coimbatore. Perm.—18, Martin Gar- den Lane, Mandavalli, Mylapur, Madras.	Assistant.	T-G.
8115	Varma, Anandkand Sahay.	1916	B.Sc. (Patna—'39) Assoc. I.A.R.I. Soil Science and Agril. Chemistry. (New Delhi—'50)	Engaged in soil analysis, fertility and reclamation work.	Pres.—Chemical Section, Agricultural Research Institute, Sabour, Distt. Bhagalpur. Perm.—Vill. Sitarampur, P.O. Silout, District Muzaffarpur.	Sr. Scientific Assistant.	STO-G.
8116	Varma, Sri Rama.	1922	B Sc. Agril. (Madras —'49)	Working on coconut crop for the last 3 years.	Pres.—Central Coconut Research Station, Kasar- grod, District South Kanara. Perm.—C/o The Director, Agricultural Meteorol- ogy, Poona 5.	Jr. Research Assistant	R-G.
8117	Varshney, Madan Lal.	1920	B.Sc. Agril (Agra—'42)	9 years service in agri- cultural department.	Pres.—Govt. Agriculture College Research Farm, Kanpur. Perm.—Vill. & P.O. Dhantoli, District Aligarh.	Farm Supdt.	STO-G. T-G.
8118	Vashi, Amritlal Mohanlal.	1928	B.Sc. Agril. (Bombay —'50)	Doing investigational work in bidi tobacco.	Pres.— Institute of Agriculture, Aundh, Distt. Kairana. Perm.—Talangpur, Distt. Surat.	Farm Manager.	STO-G.
8119	Vasudeva, Ram Saran Das.	1922	B Sc. Agril. (Punjab —'43)	Since 1944 working on improvement of bajra, gram and tobacco crops.	Pres.— Agricultural Research Station, Ferozepur. Perm.— Do.	Research Asstt.	STO-G.
8120	Vedantam, K.	1910	B.Sc. Agril. (Madras —'32)	Farm management and general agricultural work, contributed popular articles.	Pres.— P.O. Vallanad, Distt. Tirunelvelly, South India.	...	Un.
8121	Vedantham, Codati.	1922	B.Sc. Agril. (Andhra —'49)	Agricultural extension work.	Pres.— Armoor, District Nizamabad. Perm.— 97-C, Lloyds Road, Madras 6.	Agricultural Assistant.	STO-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks	
8122	Venkatachalam, Obirapu.	1907	B.Sc. Agri. (Madras —'31) D.I.H. (Madras—'50)	Since 1934 serving in agriculture department.	Pres.—Agricultural Col- lege, Bapatla. Perm.— Rajahmundry, Distt. East Godavari.	Asstt. Lecturer in Agriculture.	T-G.	
8123	Venkataraman, R.	1924	B.Sc. Agri. (Madras)	Studying crop-weather relationship particularly with regard to paddy.	Pres.— Agricultural Re- search Station, Adu- tural. Perm.— 84, Big Street, Pattukkottai.	Assistant in Meteorology.	STO-G.	
8124	Venkatesam, Chemu- dupati.	1928	B.Sc. Agri. (Madras —'48) D.I.H. (Madras—'51)	5 years horticultural work.	Pres.—I/c Model Orchard cum Nursery, Pedda- puram, District East Godavary. Perm.—Kothapeta, Vizian- garanam.	Research Asstt	STO-G.	
8125	Vergheese, E.J.	1910	B.A (Madras—'30) M.Sc. Agri. Chem. (Madras—'48)	For the last 19 years engaged in research in agricultural and food biochemistry and pub- lished papers on the same. Knowledge of food inspection & ana- lysis, microscopic & histological work, and agricultural bacterio- logy.	Pres.— Central Coconut Research Station, Kasaragod. Perm.— Orumanayoor, P.O. Chowghat, S. Mala- bar.	Analytical Chemist.	R-G.	
8126	Victor, Edward.	Nelliat	1925	B.Sc. Agri. (Madras —'47)	Since 1947 doing coconut cultivation and improve- ment work.	Farm Asstt.	STO-G.	
8127	Vidyarthi, Gopal	Saran.	1926	B.Sc. Agri. (Agra—'47) M.Sc. Agri. (Agra—'49)	Working in the soil compost scheme.	Pres.—Bareilly. Perm.— Vill. & P.O. Gohawar, Distt. Bijnor.	Asstt. Chemist.	STO-G.
8128	Visvanathan, Tiru- patur Krishna- swamy.		1917	B.Sc. Agri. (Madras)	For 7 years served in agricultural marketing department and worked in the grading of oran- ges, rice, eggs, ghee; now doing tobacco grading work, publish- ed papers.	Pres.—Guntur. Perm.—2, Hensman Road, T. Nagar, Madras 17.	Inspector.	STO-G.
8129	Vyas, Narayan Duli- chand.		1897	Dip. in Agri. (Nagpur —'18) L.Ag. (Nagpur—'19) M.Sc. Agri. (Nagpur —'40) Ph.D. (Nagpur—'45)	Since 1921 doing research in agricultural chemis- try and soil microbiol- ogy; published several papers on the same and has written books in Hindi on the cultiva- tion of crops and vege- tables.	Pres.— Indian Agricul- tural Research Inst., New Delhi. Perm.—Vill. Mandawal, P.O. Kharua, District Ratlam.	Soil Microbiol- ogist.	TR-G.
8130	Wadnerkar, Keshav Govind.		1909	B.Ag. (Nagpur—'36) B.T. (Saugor —'50)	16 years teaching work.	Pres.—Govt. Agricultural I.E.M. School, Betul- bazar, Distt. Betul. Perm.— Do.	Asstt. Master.	T-G.

## AGRICULTURE &amp; HORTICULTURE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8131	Wani, Bhatu Dhondu.	1923	B.Sc. Agri. (Bombay —'47)	Farm management.	Pres.—Agricultural School, Manjri, Distt. Poona. Perm.—Erandol, Kaga- dipura, Distt. E. Khan- desh.	Agricultural Officer.	STO-G.
8132	Yadava, Harpal Singh.	1925	B.Sc. Agril. (Agra—'47)	Reclamation of usar land.	Pres.—Usar Reclamation Farm, Dhakauni, Distt. Hardoi. Perm.—Vill. Naglajagat, P.O. Kharlia, Distt. Bulandshahr.	Agriculture Inspector.	STO-G.
8133	Yadava, Ram Sewak.	1928	B.Sc. Agri. (Agra—'50) M.Sc. Agri. Botany. (Agra—'52)	...	Pres.— C/o Mr. Chokhe Singh, 3, Govt. Agricul- tural College, Kanpur. Perm.—Vill. Bhadi, P.O. Shahganj, Distt. Jaun- pur.	...	Un.
8134	Yogindar Singh.	1912	B.Sc. Agri. (Punjab —'38)	For the last 15 years serving in agriculture department.	Pres.—Agriculture Farm, Abohar, Distt. Feroze- pur. Perm.— Vill. & P.O. Panduga, District Hoshiarpur.	Farm Manager.	STO-G.
8135	Zachariah, O.C.	1902	B.Ag. (Bombay—'30)	Coconut cultivation and agricultural propaganda work.	Pres.—Mavelikara. Perm.— Ooramvelill House, Pandencary, Edathuva, Tiruvalla, Travancore-Cochin.	Divisional Agricultural Officer.	STO-G.
8136	Zopay, Eknath Lax. manrao	1916	B.Sc. Agril. (Bombay —'39)	For the last 19 years engaged in soil conser- vation work.	Pres.—Pandharpur, Sta- tion Road, Pandharpur.	Sub-Divisional Soil Conser- vation Officer.	STO-G.
8137	Zope, Nivruttinath Sitaram.	1927	B.Sc. Agri. Hons. (Poona—'50)	...	Pres.—P.O. Chitalenagar, Tal. Malsiras, Sholapur. Perm.— P.O. Padale, Tal. Yawal, East Khan- desh.	Farm Manager.	STO-



# PLANT BREEDING & GENETICS

S. No. ST	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8138	Agarkar, Vasant Laxman.	1920	B.Sc. Agri. (Nagpur) M.Sc. Agri. Economics & Estate Management. (Agra)	Cotton breeding and varietal trials of desi cotton.	Pres.—Institute of Plant Industry, Indore. Perm.— C/o Dr. B.S. Mujumdar, Bhilsa.	Botanical Assistant.	STO-G.
8139	Ahuja, Yog Raj.	1930	B.Sc. Hons. (Delhi—'50) Assoc. I.A.R.I. Agri. Botany. (New Delhi—'52)	...	Pres.—Division of Botany, I.A.R.I., Pusa, New Delhi 12. Perm.— C/o Dr. B.S. Mujumdar, Bhilsa.	Botanical Assistant.	R-G.
8140	Alyadurai, Samuel Gideon.		For particulars, refer to S. No. ST. 7578 on page 902.				
8141	Ambekar, Narayan Dattatraya.	1920	B.Sc. Agri. (Bombay—'49)	Since 1949 doing breeding and improvement work in paddy, ragi, pulses, etc.	Pres.— Rice Breeding Station, Igatpuri, Distt. Nasik. Perm.— C/o Sri D.V. Ambekar, Servant's of India Society, Poona 4.	Agricultural Officer-in-Charge.	STO-G.
8142	Amin, Vishnooprasad Chaturbhaji.	1930	B.Sc. Agri. Hons. (Gujarat—'52)	Plant breeding and agronomical work.	Pres.—Institute of Agriculture, Anand, Bombay. Perm.—Laxmipura, P.O. Lasundra.	Research Asstt.	STO-G.
8143	Annappan, R.S.	1926	B.Sc. Agri. (Madras—'50)	Evolution of long staple cotton by breeding.	Pres.—Srivilliputtur. Perm.— Thambapillai Street, Rajapalayam.	Assistant.	STO-G.
8144	Apte, Madhukar Vasudev.	1921	B.Sc. Agri. (Bombay—'47)	Breeding of sweet potato and onion for various agronomic and economic characters.	Pres.— Cereal Breeding Station, Niphad, P.O. Kundewadi, District Nasik. Perm.—Decoan Watch Company, Sangli, Distt. S. Satara.	Agricultural Officer.	STO-G.
8145	Arasamani, Thiraviam.	1927	B.Sc. Agri. (Madras—'51)	Doing cotton breeding work.	Pres.— Agricultural Research Station, Kollapatti, Madras State. Perm.—Mukkudal, Distt. Thiruvelveli, Madras State.	Assistant.	STO-G.
8146	Ayyar, M.A. Sankara.	1900	B.A. (Madras—'21) B.Sc. Agri. (Madras—'25)	During 28 years service worked in agronomy, breeding and genetics of sorghum, millets, pulses, rice and sugar-cane, published papers on the agronomy and genetics of sorghum.	Pres.—Agricultural Research Institute, P.O. Lawley Road, Coimbatore Perm.— Do.	Pulses Specialist.	STO-G
8147	Azees, Mohammed Abdul.	1927	B.Sc. Agri. (Andhra—'50)	Breeding work in cotton.	Pres.— Narasaraopet, Distt. Guntur. Perm.— C/o Mohammed Ghaliib, Parry Company, Samalkot, East Godavari.	Assistant.	STO-G

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8148	Balasubramaniam, Kurut Muthuswami.	1926	B.Sc. Agri. (Madras)	Breeding work in paddy.	Pres.—Agricultural Research Inst., P.O. Lawley Road, Coimbatore. Perm.—10/21, Srinivasa-raghavar Street, P.O. R.S. Puram, Coimbatore.	Assistant.	STO-G.
8149	Balasubramanian, Coimbatore Rama-swamy.	1929	B.Sc. Agri. (Madras —'49)	Plant breeding in cotton.	Pres.—24/121, Karuppa Gounder St., Coimbatore. Perm.— Do.	Assistant.	STO-G.
8150	Bassava Raj, T. V.	1920	B.Sc. (Mysore)	Since 1944 engaged in breeding work on millets.	Pres.—Govt. Farm, Hiriyur, Mysore. Perm.—C/o Sri Yajanan Channabasappa, Near Jumuna Mosque, Mandipet, Timkur.	Jr. Assistant Botanist.	STO-G.
8151	Bhat, N.R.	1906	B.Ag. (Bombay—'29) Ph.D. Genetics. (Oan-tab.—'48)	For the last 20 years serving in the agriculture department, at present conducting research in cotton and tobacco crops; published papers on the increased production of pulses, cottons, paddy, etc.	Pres.—Surat. Perm.—C/o Director of Agriculture, Poona.	Cotton Botanist (Bombay Govt.)	R-G.
8152	Bhatawadekar, Purushottam Uddhava.	1926	B.Sc. Agri. (Bombay —'46)	Engaged in breeding work in rice.	Pres.—Rice Breeding Station, Phondaghat. Perm.— 949, Sadashive Peth, Poona.	Agricultural Officer.	STO-G.
8153	Bhatia, Holaram Pararam.	1924	B.Sc. Agri. (Bombay —'47)	Worked for 4 years on cotton, now breeding wheat for rust resistance.	Pres.—Institute of Plant Industry, Indore. Perm.— Do.	Research Asstt.	STO-G.
8154	Bhinde, Madhav Vyankatesh.	1926	B.Sc. Agri. (Bombay —'47)	Carried out rice breeding for 3 years.	Pres.— I/c Agricultural Farm, Khopoli. Perm.— 417, Raviwar Peth, Poona 2.	Agricultural Officer.	STO-G.
8155	Bhola Nath.	1909	M.Sc. (Punjab—'31).	Since 1929 engaged in genetical and plant breeding work on cotton, rice and sorghum.	Pres.—Institute of Plant Industry, Indore. Perm.— Do.	2nd Economic Botanist.	STO-G.
8156	Bose, Rakhal Das.	1899	B.Sc. (Allahabad—'20)	For 18 years carried out research work in plant breeding & genetics and 6 years in agronomy, published papers on genetics, plant breeding, agronomy, agricultural botany, etc.	Pres.— Indian Central Sugarcane Committee, 3, Puss Rd, New Delhi. Perm.—Indian Agricultural Research Institute, New Delhi.	Secretary.	STA-G.
8157	Butany, Washo Tikamdas.	1915	B.Sc. Agri. Hons. (Bombay—'37) Assoc. I.A.R.I. Plant Breeding & Genetics. (New Delhi—'47)	Carried out breeding in wheat, cotton and bajri for 10 years and worked as Lecturer in Botany for 4 years. Since 1947 doing genetical research and breeding in rice and published papers on the same.	Pres.—Central Rice Research Institute, Cuttack 4. Perm.—C/o Shri Tikamdas F. Butany, 26/28, Rajendra Nagar, New Delhi.	Asstt. Botanist.	R-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8158	Chandramathy, Puthanmarakandy Surankandy.	1926	B.Sc. Agri. (Madras)	Breeding work in cotton.	Pres.— Agricultural Research Institute, P.O. Lawley Road, Coimbatore. Perm.— 'Chandra Vilas', P.O. Pudiangadi, Omalcut.	Assistant in Cotton.	STO-G.
8159	Chetty, T.V. Obli.	1930	B.Sc. Agri. (Madras —'52)	Breeding work in millets.	Pres.— Regional Millet Section, Tirupathur, Distt. North Arcot. Perm.— C/o T.V. Obli Chetty Sankara Chettiar, Silk Cloth Merchants, Panchi Kalipatti, Taluk Omalur, Distt. Salem.	Assistant in Millets.	STO-G.
8160	Choudhary, Baliram Bhikjee.	1915	B.Sc. Agri. (Bombay —'41)	...	Pres.— I/c Crop Breeding Station, P.O. Puttumba, Distt. Ahmednagar. Perm.— P.O. Atrawal, Taluka Yawal, Distt. East Khandesh.	Agricultural Officer.	STO-G.
8161	Choudhary, Ramadas Bhavani.	1916	B.Sc. Agri. (Bombay —'42)	Since 1945 engaged in jowar breeding work.	Pres.— Jowar Breeding Station, Mohol, Distt. Sholapur. Perm.— P.O. Thorgavan, Taluka Raver, Distt. East Khandesh.	Agricultural Officer.	STO-G.
8162	Deshmukh, Narayan Pandurang.	1909	B.Agr. (Nagpur—'33)	5 years farm management work and 14 years in selection, hybridization & breeding work on cotton.	Pres.— Govt. Experimental Farm, Akola. Perm.— C/o Shri D P Deshmukh, Pleader, Kholapur Gate, Amravati.	Research Officer.	R-G.
8163	Dhawan, Charanjit Lal.	1929	B.Sc. (Punjab '48) Assoc. I.A.R.I. Agric. Botany. (New Delhi —'62)	Breeding of rust resistant wheat.	Pres.— H-447, New Rajinder Nagar, New Delhi. Perm.— Do.	Research Fellow.	R-F.
8164	Dhulappanavar, Chandrashekhar Veerabasappa.	1919	B.Sc. Agri. Hons. (Bombay—'48)	4 years pulses and rice breeding work.	Pres.— Rice Breeding Station, Jagalbet, Distt. N. Kanara. Perm.— P.O. Tumminimatti, Distt. Dharwar.	Agricultural Officer.	STO-G.
8165	Duara, Brojendra Narayan.	1921	B.Sc. Agri. (Allahabad —'48) M.S. Genetics. (California—'48)	Since 1948 serving in the department of agriculture, now engaged in the research work on the crops of economic importance to the state. Published a paper on the establishment of diploid races from polyploid species.	Pres.— Jorhat, Assam. Perm.— Raibahadur Kutir, Golaghat, Assam.	Economic Botanist to Govt of Assam.	R-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8166	Durairaj, Veerabahu.	1927	B.Sc. Agri. (Madras —'50)	For the last 3 years engaged in breeding improved varieties of millets.	Pres.— Millets Section, Agricultural College and Research Inst., P.O. Lawley Road, Coimbatore. Perm.— "Mani Illam", Ariyanayakipuram, District Tirunelveli, Madras.	Research Asstt.	STO-G.
8167	Dutta, J.M.	1918	M.Sc. (Calcutta—'40)	Carried out plant breeding work for 6 years at the Jute Agricultural Research Laboratories. Since 1947 engaged in compilation work for the Dictionary of the Economic Products of India.	Pres.— C.S.I.R., Old Mill Road, New Delhi. Perm.— Do.	Sr Technical Assistant.	Scientific editing
8168	Faugat, Chandar Bhan.	1918	B.Sc. Agric. (Punjab —'42)	9 years plant breeding work in various crops.	Pres.— C/o Agronomist (Tobacco), 63, Jhoke Road, Ferozepur Cantt. Perm.— S/o Ch. Har Narain, P.O. Bhalant, Distt. Rohtak.	Research Asstt.	STO-G.
8169	Gadkari, Prabhakar Dwarkanath.	1909	B.Sc. (Nagpur—'30) M.Sc. Botany. (Nagpur—'32)	From 1936-51 carried out work in plant breeding, genetics, agricultural botany and cotton extension, since 1951 engaged in co-ordination of cotton research in India, published papers on cotton breeding.	Pres.— Indian Central Cotton Committee, 14, Nicol Road, Ballard Estate, P.O. Box No. 1002, Bombay 1. Perm.— Do.	Deputy Secretary.	STA-SG.
8170	Galgalgi, Babu Ramchandra.	1924	B.Sc. Agric. Hons. (Bombay—'47)	4 years work in breeding and agronomy of rice crop.	Pres.— I/c Rice Breeding Station, Mugad, Distt. Dharwar. Perm.— Kadkol's Bungalow, Gibb's Town, Dharwar.	Plant Breeder.	STO-G.
8171	Ganguli, Pares Mohan.	1900	Dip in Agri. (Sambour —'21) Training in Plant Breeding & Genetics. (I.A.R.I., Pusa—'37)	29 years work in plant breeding and genetics particularly on rice, published several papers.	Pres.— Upper Assam Valley, Jorhat. Perm.— 40/H/2, Sura First Lane, Calcutta 10.	Asstt. Deputy Director of Agriculture.	STO-G.
8172	George, P V.	1921	B.Sc. (Travancore—'41)	For 6 years carried out breeding and agronomical trials in rice, now working on tapioca.	Pres.— Tapioca Research Station, Tiruvalla, Travancore-Cochin. Perm.— Polachirakkal House, Kuttoor, Travancore-Cochin.	Research Asstt.	STO-G.
8173	Ghose, Robert Lal Mohan.	1903	B.Sc. (Allahabad—'26) M.Sc. Botany. (Allahabad '27) F.A.Sc. (India)	Extensive work on genetics, breeding, agronomy and botany of cotton, jute and rice; published papers on the same.	Pres.— Central Rice Research Institute, Cuttack 4. Perm.— 28, New Road, Dehra Dun.	Geneticist & Botanist.	R-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8174	Ghosh, Kanailal.	1924	B.Sc. (Calcutta—'48) B.Agr. (Dacca—'48)	Breeding and genetics of jute.	Pres.—Jute Agricultural Research Laboratories, Hooghly. Perm.—14, Mohan Bagan Row, Calcutta 4.	Scientific Asstt.	STO-SG.
8175	Gopalan, Nelliyat.			For particulars, refer to S. No. ST. 7726 on page 916.			
8176	Gregory, P.J.	1909	M.A. (Madras) Ph.D. (London) F.L.S. (London) F.R.M.S. (London)	Experience in teaching agricultural botany, specialization in plant breeding & genetics, published papers on the same.	Pres.—Writer's Buildings, Calcutta. Perm.—P.O. Edathua, Trivandrum.	Jt. Director of Agriculture, (West Bengal)	STA-G.
8177	Guruswamy Dhanakoti, Raju,	1930	B.Sc. Agri. (Madras—'60)	Cotton breeding.	Pres.—Agricultural Research Station, Kollpatti, Distt. Tirunelveli. Perm.—O/o Sri V.G. Dhanakoti Raju, Rajapalayam, Distt. Ramanad.	Cotton Asstt.	STO-G.
8178	Hattiangadi, Prabhakar Shivarao	1910	B.Agr. (Bombay—'39)	6 years work in crop breeding.	Pres.—Crop Breeding Station, Bijapur. Perm.—Kalewar's Bungalow, Decosu Gymkhana, Poona 4.	Agricultural Officer.	STO-G.
8179	Iyemperumal, Shunmugam.	1929	B.Sc. Agri. (Madras—'49)	Cotton breeding.	Pres.—Agricultural Research Station, Kollpatti. Perm.—O/o A. Shunmughampillai, 11/21, Muthuswamy Pillai Lane, Palamcottah.	Assistant	STO-G.
8180	Iyengar, Krishna Gopala.	1909	B.Sc. (Mysore—'27) M.Sc. Botany. (Bombay—'28)	Breeding of groundnut, castor and ragi.	Pres.—Department of Agriculture, Bangalore. Perm.—11, Ramakrishnapur, Subedar Chatram Road, Bangalore 2	Sr. Assistant Botanist.	STO-G.
8181	Joshi, Ganesh. Madhav	1925	B.Sc. Agri. Hons. (Karnatak—'50) Assoc. I.A.R.I. Plant Breeding & Genetics, (New Delhi—'62)	Breeding wheat for rust resistance.	Pres.—Institute of Plant Industry, Indore. Perm.—O/o N.G. Joshi, S.D.O., P.O. Kopargaon, Bombay State.	Research Asstt.	R-G.
8182	Kajjari, Ningappa Bhimappa.	1918	B.Sc. Agri. Hons. (Bombay—'48)	Breeding work in wheat, rice, jowar, gram and safflower.	Pres.—I/o Crop Breeding Station, Annigeri, Distt. Dharwar. Perm.—Motebennur, Distt. Dharwar.	Agricultural Officer.	STO-G.
8183	Kalyanaraman, Sumaithangi Munuswami Alyer.	1900	B.Sc. Agri. (Madras—'23)	Plant breeding work for 10 years in pulses and 18 years in cotton.	Pres.—Agricultural Research Station, Kovilpatti, Tirunelveli, S. India. Perm.—Sumaithangi, N. Arcot.	Asstt. Cotton Specialist.	STO-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8184	Kamalanathan, Singaravelu.	1924	B.Sc. (Anna Malai-'45) B.Sc. Agri. (Madras—'48)	Cotton breeding.	Pres.— Agricultural Research Institute, P.O. Lawley Road, Coimbatore. Perm.— 96, Chinnamudali Street, Nagalapuram, P.O. Tindivanam, Distt. S. Arcot.	Assistant in Cotton.	STO-G.
8185	Kanniyan, Kolandavelu.	1914	B.Sc. Agri. (Madras—'36)	Breeding work in oil-seeds and cotton.	Pres.— Agricultural College, Lawley Road, Coimbatore, Perm.— Do.	Assistant.	STO-G.
8186	Karibasappa, B.K.	1926	B.Sc. Agri. (Mysore)	Breeding of tuber crops.	Pres.— Department of Agriculture, Seshadri Road, Bangalore 1. Perm.— O/o Sunagowda Mahadevappa, Bevinahalli, P.O. Malebennur.	Jr. Assistant Botanist.	STO-G.
8187	Kedharnath, S.	1921	M.A. Botany. (Madras—'42) M.Sc. (Madras—'46)	Breeding wheat resistant to rust, and cytogenetical investigations in sesamum, gram and chillies; published papers on the same.	Pres.— Botanical Sub-Station, Pusa, Bihar. Perm.— O/o Botany Section, Indian Agri. Research Institute, New Delhi.	Asstt. Wheat Breeder.	R-G.
8188	Khadilkar, Bhachandra Trimbak.	1926	B.Sc. Agri. (Poona—'49)	2½ years breeding work in rice.	Pres.— Rice Breeding Station, Vadgaon, Distt. Poona. Perm.— O/o T.R. Khadilkar, 120, Nawpet, Jalgaon, Distt. East Khandesh.	Agricultural Officer.	STO-G.
8189	Khot, Bapusaheb Devendra.	1923	B.Sc. Agri. Hons. (Bombay—'48)	8 years selection and breeding work of vegetables.	Pres.— 250/1, Sadashiv Peth, Poona 2. Perm.— P.O. Rukadi, Distt. Kolhapur.	Agricultural Officer.	STO-G.
8190	Kishen Narayan.	1928	B.Sc. Agri. (Osmania—'50)	3 years breeding work in jowar crop.	Pres.— Economic Botanist Section, Main Farm, Himayatagar, Hyderabad. Perm.— 696, Gollakhidki, Hyderabad.	Botanical Assistant.	STO-G.
8191	Kooharekar, Balwant Sadashiv.	1908	B.Sc. Agri. (Allahabad—'35)	Farm management and cotton breeding work.	Pres.— Nimar Cotton Improvement Scheme, Khargone, M.B. Perm.— 46, Narayanbag, Hindu Colony, Indore.	Officer-in-Charge.	STO-G.
8192	Kohli, Satya Prakash.	1917	B.Sc. Agri. (Punjab—'38) M.Sc. Agri. spl. Plant Breeding & Genetics. (Punjab—'45) Ph.D. Plant Breeding. (Cornell—'50)	Carried out cotton breeding research for 10 years and now doing genetical and plant breeding research for cereal crops improvement. Published papers on breeding aspects of wheat, cotton and forage crops.	Pres.— I/c Wheat Breeding Sub-Station, Indian Agricultural Research Institute, Simla. Perm.— O/o M/s Civil and Military Stores, P. Box No. 183, Kanpur.	Asstt. Wheat Breeder.	R-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8193	Kolte, Shankar Gopal.	1905	L.Ag. (Nagpur—'28)	Farm management (17 years) and breeding work in cotton, juar, groundnut and bajra (7 years).	Pres.—Nagpur. Perm.—C/o Shri O.T. Kolte, Pleader, Malkapur.	Economic Botanist to Govt.	R-G.
8194	Krishna Ayyar, Chaudasekharapu- ram Sivarama Ayyar.	1910	B.Sc. Agric. (Madras —'32)	11 years cotton breeding work.	Pres.—Periyakulam, Distt. Madurai. Perm.—P.O. Tirunillayi, via Palghat, District. Malabar.	Assistant in Cotton.	STO-G.
8195	Krishna Marar, Meethalai Madathil.		For particulars, refer to S. No. ST. 7819 on page 925.				
8196	Krishnamurthy, Jivannarao.	1926	B.Sc. Agric. (Madras —'49)	Cotton breeding.	Pres.—C/o Cotton Specialist to Govt., Coimbatore. Perm.—"Tanjore House", 9/14, Lokamanya Street, R.S. Puram, Coimbatore.	Assistant.	STO-G.
8197	Krishnamurthy, Naramsetty Hari Venkata.	1909	B.Sc. Agric. (Madras) Assoc. I.A.R.I. Plant Breeding & Genetics. (New Delhi)	Breeding work in rice.	Pres.—Agricultural Research Station, Marutor.	Supdt.	STO-G
8198	Krishna Murty, Irku Venu Gopala.	1922	B.Sc. (Andhra—'42) M.Sc. Botany. (Agra —'44)	Worked for 7½ years in genetics and breeding of millets particularly on bajra.	Pres.—Central Tobacco Research Institute, P.O. Rajahmundry. Perm.—Adurru, Taluk Razole, Distt. East Godavari.	Research Asstt.	STO-G.
8199	Krishnaswami, Par- thasarathi.	1909	B.Sc. Agric. (Madras)	Since 1932 doing botanical and plant breeding work in millets including 4 years agricultural marketing work.	Pres.—Agricultural Research Institute, P.O. Lawley Road, Coimbatore. Perm.—81/82, Big Street, Triplicane, Madras 6.	Asstt. Millet Specialist.	R-G.
8200	Krishnaswamy, Pal- ladam Nagara Rao.	1908	B.Sc. Agric. (Madras —'29)	21 years work in cotton section.	Pres.—Rajapalayam, District Ramanathapuram. Perm.—84, Ansari Street, Brahmin Extension, Coimbatore	Cotton Certification Officer.	STO-G.
8201	Krishnaswamy, V.	1906	B.Sc. Agric. (Madras)	From 1928-51 carried out paddy breeding and now doing work in millets. Published papers on manuring successive crops.	Pres.—Agricultural Research Institute, P.O. Lawley Road, Coimbatore. Perm.—Do.	Asstt. Millet Specialist.	R-G.
8202	Kuivila, Abdur Rahim Khan.	...	B.Sc. Agric. (Mysore —'49) Assoc. I.A.R.I. (New Delhi—'52)	Genetical work in rice.	Pres.—Central Rice Research Institute, Guttag 4. Perm.—98/B, Khalasapalyan Extension, Bangalore 9.	Research Asstt.	STO-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8203	Kunjamma, Verghese Ketticaren.	1925	B.Sc. Agri. (Madras —'48)	For 4 years worked in chemistry section and now engaged in evolving high yielding varieties of cumbu.	Pres.—Agricultural Research Inst., P.O. Lawley Road, Coimbatore. Perm.—O/o V. Ketticaren & Co., Bazaar Road, Coimbatore.	Assistant.	STO-G.
8204	Labhsetwar, Ambadas Pandurangpant.	1926	B.Sc. Agri. (Nagpur —'48)	4 years selection and breeding work in cotton	Pres.— Govt. Experimental Farm, Akola. Perm.— O/o P.H. Labhsetwar, Darwha, Distt. Yeotmal.	Research Asstt.	STO-G.
8205	Mahudeswaran, Kan-dassamy.	1928	B.Sc. Agri. (Madras —'49)	Since 1949 doing millets breeding.	Pres.— I/o Regional Millet Station, Ariyalur, Distt. Tirichy. Perm.— O/o G. Radhakrishnan, Chemist, Stanes & Co., Race Course, Coimbatore.	Assistant.	STO-G.
8206	Mallanna, K.N.	1928	B.Sc. (Mysore—'46) M.Sc. Agri. (Banaras —'48)	Plant breeding aspects of ragi and other millets.	Pres.—O/o K.N. Gubbanas, 94, Mysore Road, Chamrajpet, Bangalore City.	Jr. Botanist.	STO-G.
8207	Malwah, Brahm Dass.	1919	B.Sc. Agri. (Punjab —'42)	10 years breeding work in cereals.	Pres.—Central Breeding Sub-Station, Kulu, Distt. Kangra. Perm.— Vill. Khungan, P.O. Barsar. District Kangra.	Assistant-in-Charge.	STO-G.
8208	Marappan, Puluvapatty Velappa Gounder.	1928	B.Sc. Agri. (Madras)	Cotton breeding.	Pres.—Agricultural Research Inst., P.O. Lawley Road, Coimbatore. Perm.— Puluvapatty, P.O. Kavandapady, via Erode.	Assistant.	STO-G.
8209	Mathur, Vishwanath Sahai.	1928	B.Sc. Agri. (Agra—'45) M.Sc. Agri Botany. (Allahabad—'48).	Doing plant breeding and genetical work on wheat, published papers on wheat.	Pres.—Institute of Plant Industry, Indore. Perm.— Do.	Asstt. Wheat Breeder.	STO-G.
8210	Menon, Madasseri Kelu Kutty.	1914	B.Sc. Agri. (Madras —'36)	Since 1943 serving in agriculture department and now doing breeding work in paddy.	Pres.—Agricultural Research Station, Pattamb, Madras. Perm.— Karukamani Kalam, Vill. Palathully, Taluk Palghat, S. Malabar.	Assistant in Paddy.	STO-G.
8211	Menon, Parappil Madhava.			For particulars, refer to S. No. ST. 7195 on page 858.			
8212	Mirchandani, Hot-chand Chellaram.	1910	B.Ag. (Bombay—'34) Assoc. I.A.R.I. Economic Botany and Plant Breeding. (New Delhi—'40) Ph.D. Agronomy. (Illinois, U.S.A.—'49)	15 years breeding research work in cereal crops particularly paddy and wheat besides experience of scientific journalism and teaching.	Pres.— Rice Research Station, Nagina, Distt. Bijnor. Perm.— Do.	Asstt. Economic Botanist. (Paddy)	R-G.

## PLANT BREEDING &amp; GENETICS - Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8213	Mohanty, Hemanta Kumar.	1926	B.Sc. Agri. (Agra-'50) Assoc. I.A.R.I. Cytogenetics. (New Delhi—'52)	...	Pres.— C/o Jagdish Mohanty, National Physical Laboratory, New Delhi. Perm.— C/o Banamali Mohanty, Vill. Poregadei, P.O. Rahama, Distt. Cuttack.	...	Un.
8214	Mohmed, Hassan. Vazir	1932	B.Sc. Agri. (Madras —'52)	Cotton breeding work.	Pres.— Winter Cambodia Scheme, Coimbatore. Perm.— Gulzar Bagh, Jeppoo, Mangalore.	Cotton Asstt.	STO-G.
8215	Muhammad, Shahul Hameed Varisai	1917	B.Sc. Agri. (Madras)	For the last 15 years engaged in breeding of oilseeds crops.	Pres.— Agricultural Research Institute, P.O. Lawley Road, Coimbatore. Perm.— Ponniyarpalai Street, Tenkasi, Distt. Tirunelveli.	Asstt. Oilseeds Specialist.	STO-G.
8216	Murthy, Chimalapathi Venkata Suryanarayana.	1924	B.Sc. Agri. (Madras —'49)	Crop improvement & breeding work in castor and agricultural extension work.	Pres.— Agricultural Research Station, Tindivanam, Distt. S. Arcot. Perm.— 5/162, Daba Gardens, P.O. Waltair, Distt. Vizag.	Assistant in Oilseeds	STO-G.
8217	Murty, Gollakota Suryanarayana.	1913	B.Sc. (Andhra—'34) M.Sc. (Lucknow—'36) Assoc. I.A.R.I. Plant Breeding & Genetics. (New Delhi—'39) Ph.D. Plant Breeding & Genetics. (Minnesota—'48)	Maize improvement work and breeding of rust resistant wheat, published papers on the same.	Pres.— Division of Botany, Indian Agricultural Research Institute, New Delhi 12. Perm.— Ramaraopeta, Kakinada, Distt. East Godavari.	Wheat Breeder	R-G.
8218	Murty, Navini Sriramachandra.	1928	B.Sc. Agri. (Andhra —'50)	Breeding cotton suitable to Coconada tract.	Pres.— Agricultural Research Station, P.O. Laur, Distt. Guntur. Perm.— C/o N. Rama-swami, P.O. Pandur, Distt. East Godavari.	Assistant.	STO-G.
8219	Nambiar, Ayilliath Kunhikaran.	1900	B.Sc. Agri. (Madras —'27)	For the last 22 years breeding improved varieties of millets, published several papers on breeding and genetical aspects of millets.	Pres.— Agricultural Research Institute, P.O. Lawley Road, Coimbatore. Perm.— C/o A. Ryru Nambiar, Typewriting Institute, P.O. Kuthuparamba, N. Malabar.	Millets and Pulses Specialist.	R-G
8220	Narayana, Gedela Venkata,	1900	B.Sc. Agri. (Madras —'28)	Crop breeding in coconut & oilseeds and study of weeds, published several papers.	Pres.— Agricultural Research Institute, P.O. Lawley Road, Coimbatore.	Oilseeds Specialist and Vice-principal.	TR-G
8221	Narayanan, N.G.	1907	B.Sc. Agri. (Madras —'31)	Breeding of cotton, gram and coriander, published papers.	Pres.— Odakad, Tiruppur, S. India. Perm.— Do.	Asstt. Cotton Specialist.	STO-G

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8222	Negi, Lakshmi Singh.	1913	B.Sc. Agri. (Punjab—'36) M.Sc. Agri. (Punjab—'38) Ph.D. Plant Genetics (Minnesota—'53)	Carried out plant breeding work in cereals and pulses for evolving high yielding, better quality and disease resistant varieties and published several papers mainly on wheat. At present directing research for M.Sc. classes and co-ordinating breeding & agronomical work on cotton, pulses, cereals and oilseeds.	Pres.—Office of the Economic Botanist, Model Town, Jullundur City. Perm.—P.O. Chini, Simla Hills.	Economic Botanist.	TR-G.
8223	Nirody, Bhavani Shankar.	1886	M.Sc. Botany, (Massachusetts—'22)	Carried out extensive horticultural work. At present doing research in plant breeding and working as consultant on reclamation of waste lands and laying out of gardens.	Pres.— Indian Institute of Science, Bangalore. Perm.— Mimosa, 17th Cross Road, Malleswaram, Bangalore 8.	Horticultural Adviser.	Hony.
8224	Patel, Gordhanbhai Jethabhai.	1924	B.Sc. Agri. (Bombay—'47)	For the last 5 years engaged in tobacco breeding work.	Pres.—Institute of Agriculture, Anand, Distt. Kaira. Perm.— Bhayali, Distt. Baroda.	Research Asstt.	STO-G
8225	Patel, Govindbhai Ishwarbhai.	1921	B.Sc. Agri. Hons. (Bombay—'46) M.Sc. Horticulture. (California—'47) Ph.D. Genetics and Plant Breeding. (California—'51)	...	Pres.—Jute Agricultural Research Inst., Barrackpore. Perm.— Savli, via Samlaya, Distt. Baroda.	Cytogeneticist.	STO-SG.
8226	Patel, Jagjivandas Dahyabhai.	1921	B.Sc. Agri. Hons. (Bombay—'43)	8 years plant breeding and improvement work on crops.	Pres.— Harij, District Mehsana. Perm.—Vill. Kanl, P.O. Sarbhan, Distt. Surat.	Anti-Locust Officer.	STO-G.
8227	Patel, P.L.	1895	B.Sc. Agri. (Iowa—'27) M.Sc. Agri. (Iowa—'28)	From 1932-47 carried out cotton breeding and evolved several superior strains, since 1947 teaching genetics and plant breeding and doing research in agronomy and plant breeding. Published papers in plant breeding.	Pres.—Institute of Agriculture, Anand, Distt. Kaira. Perm.—P.O. Manejkpore, Taluka Bardoli, Distt. Surat.	Professor of Botany and Head of the Division of Agronomy & Plant Breeding.	TR-G
8228	Patel, Ratilal Ambalal.	1921	B.Sc. Agri. (Bombay—'47)	6 years research work in agronomy and plant breeding.	Pres.—Institute of Agriculture, Anand, Distt. Kaira. Perm.—Samarkha, Distt. Kaira.	Sr. Research Assistant.	TR-G.
8229	Patil, Bapusaheb Jinagouda.	1919	B.Sc. Agri. (Bombay—'46)	Plant breeding and agronomical work.	Pres.—I/c Rice Breeding Station, Chiplun, Distt. Ratnagiri. Perm.— P.O. Alnapur, Distt. Belgaum.	Agricultural Officer.	STO-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8280	Patil, Chanabasangouda Shivanagouda.	1926	B.Sc. Agri. (Bombay—'47)	For 4 years carried out breeding of cereals and since 1951 doing agronomical experiments.	Pres.—Govt. Farm, Dharwar. Perm.— Khannur, P.O. Shalavadi, Taluk Navalgund, Distt. Dharwar.	Agricultural Officer.	STO-G.
8281	Patil, Jingounds Anna.	1922	B.Sc. Agri. Hons. (Bombay—'49)	Genetic improvement and agronomic studies in cereals, pulses, oil-seeds and tubers.	Pres.—Cereal Breeding Station, Niphad, P.O. Kundewadi, District Nasik. Perm.—P.O. Dudhagaon, Taluk Miraj, Distt. S. Satara.	Agricultural Officer.	STO-G.
8282	Patil, Siddanagouda Basanagouda.	1924	B.Sc. Agri. (Bombay)	...	Pres.— Crop Breeding Station, Bail Hongal, Distt. Belgaum Perm.— C/o Shri B.S. Patil, Bhogavi, P.O. Hunshbavi, District Dharwar.	2nd Agricultural Officer.	STO-G
8283	Peter, Sargunam Davis.	1926	B.Sc. Agri. (Madras—'60)	Plant breeding in cotton.	Pres.—C/o Cotton Specialist, Agricultural Research Inst., P.O. Lawley Road, Coimbatore. Perm.—C/o Shri A. Peter, Karuppu Koil Street, P O Tisilampatty, Distt. Madura.	Assistant.	STO-G.
8284	Pillai, S. Mayandi.	1901	B.Sc. Agri. (Madras)	Breeding and extension work in cotton.	Pres.—P.O. Koilpatti. Perm.— Do.	Asstt. Cotton Specialist.	STO-G
8285	Pillai, Vizipuri Pillai Gomathinayagam.	1899	B.Sc. Agri. (Madras—'24)	Millets and cardamom breeding.	Pres.— Cardamom Research Station, P.O. Kulladekurichi, Madras Perm.—Ilaiyarsapendal, P.O. Kolpatti, Distt. Tirunelveli.	Asstt. Botanist. (Cardamom Specialist)	STO-G.
8286	Radhakrishna Murty, Bhyravabhotla.	1927	B.Sc. Agri. (Madras—'47)	Improvement and breeding work in tobacco.	Pres.—Central Tobacco Research Institute, Rajahmundry. Perm.— Do.	Assistant.	STO-G
8287	Raghavan, Alappakkam.	1913	B.Sc. Agri. (Madras—'36)	11 years breeding work in cotton.	Pres.—Agricultural Research Station, Siruguppa. Perm.—7, Peyalwar Coli Street, Triplicane, Madras 5.	Asstt Cotton Specialist.	STO-G.
8288	Rajagopalan, Dindigul Subramaniam.	1929	B.Sc. Agri. (Madras—'49)	Cotton breeding.	Pres.— Agricultural Research Station, Kollpatti.	Assistant.	STO-G.
8289	Rajagopalan, Koran.	1922	B.Sc. Agri. (Madras—'44)	For the last 7 years doing ' improvement work in rice.	Pres.— Paddy Section, Agricultural Research Institute, P.O. Lawley Road, Coimbatore. Perm.—C/o P.U. Koran, Tharasarampath House, P.O. Chovva, N. Malabar.	Assistant.	STO-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8240	Rajan, Srinivasa Soundar.	1925	B.Sc. (Mysore-'44) M.Sc. Botany spl. Plant Cytology and Cytogenetics. (Banaras - '46) F.B.S. (India)	6 years research work in plant cytogenetics and teaching of postgraduate classes. Published pa- pers on plant cytology and plant breeding.	Pres.— Division of Bo- tany, Indian Agricul- tural Research Insti- tute, New Delhi. Perm.— Do.	Asstt. Cyto- geneticist. (Oilseeds)	R-G.
8241	Raju, Mathu Dyva Asirvada.	1926	B.Sc. Agri. (Andhra —'50)	Cambodia cotton breed- ing work.	Pres.—Agricultural Re- search Station, Siruguppa. Perm.—Narsapur, Distt. W. Godavari.	Assistant.	STO-G.
8242	Remchandran, C.K.	1908	B.Sc. Agri. (Madras —'31)	20 years cotton breeding work.	Pres.—P.O. Srivilliputtur, Distt. Ramanathapuram. Perm.—P.O. Somandurai, Taluk Pollachi, Coim- batore.	Asstt. Cotton Specialist.	STO-G.
8243	Ramachandran, Koo- mally.	1928	B.Sc. Agri. (Madras)	Cotton breeding.	Pres.—P.O. Lawley Road, Coimbatore. Perm.— Valath House, P.O. Eranholi, N. Mala- bar.	Assistant in Cotton.	STO-G.
8244	Ramanadham, Sakha- muri.	1917	B.Sc. Agri. (Madras —'48)	8 years millet breeding work.	Pres.—I/o Regional Mil- let Station, P.O. Ongole, Distt. Guntur. Perm.—Pedapalem, Taluk Tenali, Distt. Guntur.	Assistant.	STO-G.
8245	Rampal, Amarjit.	1928	B.Sc. Agri. (Punjab —'51)	...	Pres.—Institute of Plant Industry, Indore. Perm.— S/o Dr. Sain Das Rampal, I/o Civil Hos- pital, Adampur Doaba, Distt. Jullundur.	Botanical Assistant.	STO-G.
8246	Ranganathan, Pattuk- kottai Srinivasa.	1931	B.Sc. Agri (Madras —'52)	...	Pres.—Agricultural Col- lege, Lawley Road, Coimbatore. Perm.— C/o Sri R. Sri- nivasa Iyer, Advocate, 35, Chinniah Street, Pattukkottai, District Tanjore.	Assistant in Millets.	STO-G.
8247	Rangaswami, Tiru- varur Vaidyanatha.	1908	B.Sc. Agri. (Madras —'29)	24 years breeding and agronomical work in cotton. Evolved various longstaple hybrids.	Pres.—Agricultural Col- lege & Research Insti- tute, Lawley Road, Coimbatore. Perm.— Do.	Asstt. Cotton Specialist.	STO-G.
8248	Rao, Alapaty Appa.	1926	B.Sc. Agri. (Madras —'48)	Cotton breeding.	Pres.— Agricultural Re- search Station, Nandyal, Distt. Kurnool. Perm.— P.O. Edlapally, Distt. Guntur.	Assistant.	STO-G.
8249	Rao, Batni Srinivasa.	1911	L.Ag. (Bangalore-'33)	10 years experience in general agriculture and cotton breeding.	Pres.— Mudhol, District Nanded.	Assistant.	STO-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8250	Rao, Bapu Venkoba.	1907	B.Sc. (Mysore—'29) M.S. (Louisiana—'48)	For the last 19 years directing research in breeding work on millets, Asiatic cottons and sugarcane, and work of various schemes sponsored by I.C.A.R. and other commodity committees. Published several official reports concerning the above subjects.	Pres.—Department of Agriculture, Bangalore. Perm.—No. 21, Jayanagar Extension, P.O. Basavangudi, Bangalore.	Govt. Economic Botanist.	STA-G. R-G.
8251	Rao, Dharapuram Sreenivasamurthy Ranga.	1910	B.A. (Mysore) B.Sc. Agri. Honours (Bombay)	For 6 years carried out oilseeds and rice breeding work and for the last 7 years teaching mathematics & statistics and doing experiments in agricultural meteorology; published papers on plant breeding.	Pres.—College of Agriculture, Dharwar. Perm.—C/o B. Narayana-swamy Rao, 3040, Hari Krupa, P.O. Vanivilas Mohalla, Mysore.	Professor of Maths. & Statistics.	TR-G
8252	Rao, Dronamraju Venkata Narasimha.	1926	B.Sc. Agri. (Madras —'47)	Engaged in evolution of high yielding strains of millets.	Pres.—I/o Regional Millet Station, P.O. Narasapatnam, Distt. Vizag. Perm.—C/o D.V. Raghava Rao, Long Street, P.O. Bimlipatam, District Vizag.	Assistant.	STO-G.
8253	Rao, Gera Paul Prasada.	1928	B.Sc. Agri. (Andhra —'48)	Millets breeding.	Pres.—Regional Millet Station, Narasapatnam. Perm.—C/o G J Benny, K C Works, Mangalagiri, Distt. Guntur.	Research Asstt.	STO-G.
8254	Rao, Guntur Murali.	1930	B.Sc. Agri. (Andhra)	Millets breeding.	Pres.—Regional Millet Station, Narasapatnam. Perm.—Municipal, Distt. Guntur.	Assistant.	STO-G.
8255	Rao, Kanugovi Lakshminarayana.	1916	B.Sc. Agri. (Madras —'48)	General agriculture and cotton breeding.	Pres.—Hagari, P.O. Bellary. Perm.—C/o Sri K. Krishnamurthy Rao, 67, Gandhibazar, Bangalore City.	Cotton Asstt.	STO-G.
8256	Rao, Kolte Laxman Gopal.	1920	B.Sc. Agri. (Nagpur —'44)	Selection and breeding work in cotton.	Pres.—Govt. Experimental Farm, Akola. Perm.—P.O. Narwel, Distt. Buldana.	Research Asstt.	STO-G.
8257	Rao, M. Bhavan Shanker	1911	B.Sc. Agri. (Madras —'38)	18 years work in breeding of oilseed crops especially groundnut and cotton.	Pres.—Agricultural Research Station, Tindivanam, S. Arcot. Perm.—Do.	Supdt.	STO-G.
8258	Rao, M. Venkoba.	1906	B.Sc. Agri. (Madras —'30)	17 years in cotton improvement and 3 years in minor crops breeding work.	Pres.—Agricultural Research Station, Nandyal. Perm.—Do.	Asstt. Cotton Specialist.	STO-G.

## PLANT BREEDING &amp; GENETICS -Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8269	Rao, Mandava Dharma.	1928	B.Sc. Agri. (Andhra—'48)	Cambodia cotton breeding work.	Pres.— Agricultural Research Station, Siruguppa. Perm.— Thotavallur, Taluk Bezwada, Distt. Kistna.	Cotton Asstt.	STO-G.
8260	Rao, Mirle S. Krishna.	1918	B.Sc. Agri. (Bombay—'42)	7 years plant breeding work.	Pres.—I/c Crop Breeding Station, Bailhongal, Distt. Belgaum. Perm.— C/o Mirle N. Srikanthia, Advocate, 367, Viceroy Road, Mysore.	Agricultural Officer.	STO-G.
8261	Rao, Motupalle Rama.	1926	B.Sc. Agri. (Andhra—'48)	Cotton breeding.	Pres.—Agricultural Research Station, Nandyal. Perm.— Kothapet, Tenali, Distt. Guntur.	Assistant in Cotton.	STO-G.
8262	Rao, Pandit Krishna.	1898	Dip. in Agric. (Madras—'21) P.G. course at I.A.R.I. (Pusa-Bihar—'34)	27 years plant breeding research work in millets, published papers on the same.	Pres.— Agricultural Research Institute, Coimbatore. Perm.— Do.	Millet Specialist.	R-G.
8263	Rao, Pillarisetty Appa.	1922	B.Sc. Agri. (Madras—'46)	5 years cotton breeding work.	Pres.— Agricultural Research Station, Siruguppa, Bellary.	Cotton Asstt.	STO-G.
8264	Rao, Pingali Nageswara.	1924	B.Sc. Agri. (Madras—'45)	Cotton breeding.	Pres.— Agricultural Research Station, Post Box 76, Bellary. Perm.— C/o Pingali Lajapathirao Garu, Pingali Swamiji Street, Puranandampat, Vijayawada.	Assistant in Cotton.	STO-G.
8265	Ratnaswamy, Manuel Charles.	1927	B.Sc. Agri. (Madras—'51)	Millets breeding.	Pres.— Agricultural Research Institute, Lawley Road, Coimbatore. Perm.—O/o Sri J. Manuel, P.O. Lawley Road, Coimbatore.	Assistant.	STO-G.
8266	Saini, Sohan Singh.	1923	B.Sc. Agri. (Punjab—'42) M.Sc. Agri. spl. Genetics & Biometry. (Punjab—'52)	For the last 10 years engaged in plant breeding work in cereals.	Pres.—I/c Rice Breeding Sub-Station, P.O. Nagrota Bagwan, Kangra. Perm.— Vill. & P.O. Lasara, Distt. Jullundur.	Agricultural Inspector.	STO-G.
8267	Salanki, Malasiddappa Sangappa.	1923	B.Sc. Agri. Hons. (Bombay—'48)	...	Pres.— Crop Breeding Station, Bijapur. Perm.— P.O. Talikot, Distt. Bijapur.	Agricultural Officer.	STO-G.
8268	Sangave, Adinath.	1924	B.Sc. Agri. Hons. (Bombay—'43)	Breeding work in oilseeds, pulses and cereals.	Pres.— I/c Crop Breeding Station, Karad, N. Satara. Perm.—299, West Mangalwar Peth, Sholapur.	Agricultural Officer.	STO-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8269	Singwan, Singh. Puran	1930	B.Sc. Agri. Hons. (Delhi—'51)	Cotton breeding.	Pres.—Institute of Plant Industry, Indore, Perm.—Vill. Kharman, P.O. Bahadurgarh, Distt. Rohtak.	Botanical Asstt.	STO-G.
8270	Santhemam, Vaidyana- nathaswamy.	1925	B.Sc. Agri. (Madras —'46) M.Sc. Agri. Botany. (Madras—'51)	For 5 years carried out breeding work and gene- tical studies in cotton and now working on tobacco. Published pa- pers on cotton breeding and genetics.	Pres.— Central Tobacco Research Institute, Rajahmundry. Perm.— Do.	Agronomical Assistant	R-G.
8271	Sastry, Varanasi Ramamohana.	1930	B.Sc. Agri. (Andhra —'50)	Breeding thrip-resistant chilies.	Pres.— Agricultural Re- search Station, P.O. Lam, Guntur. Perm—O/o V. Venkates- warlu, Gottipadu, P.O. Chilakalurpet, Guntur.	Research Asstt	STO-G.
8272	Satyanarayanamurty, Kesiraju.	1912	B.Sc. Agri. (Madras —'37)	For the last 12 years doing breeding and agronomical work in cotton.	Pres.— Agricultural Re- search Station, Hagari, Post Box No. 6, Bellary. Perm.— Prakkilanka, P.O. Tallapudi, District West Godavari.	Asstt. Cotton Specialist.	STO-G.
8273	Seetha Rama Shastry, Sishta Venkata.	1928	B.Sc. Agri. (Andhra —'50)	Working in the I.C.A.R. rice hybridization scheme.	Pres.— Central Rice Re- search Institute, Cut- tack 4. Perm.— Brodiepet, 17th Cross Road, Guntur 2.	Research Asstt.	STO-G.
8274	Sen, Kanwa Mohan.	1930	B.Sc. Agri. (Banaras —'49) Dip. In fruit preser- vation and canning. (1949)	Since 1951 doing plant breeding work.	Pres.— 5, Darik Ganguli Street, Calcutta 26. Perm.— Do.	Research Asstt.	STO-G.
8275	Sen, Nirad Kumar.			For particulars, refer to S. No. ST. 7258 on page 865.			
8276	Seshadri, C R.	...	B.A. (Madras—'27) B.Sc. Agri. (Madras —'30)	Since 1930 engaged in research and improve- ment work in oilseed crops particularly groundnut, sesamum and castor, published several papers.	Pres.— Agricultural Re- search Inst., Lawley Road, Coimbatore. Perm.— Do.	Oilseeds Spe- cialist.	R-G.
8277	Sethuraman, Sini- vasa.	1924	B.Sc. (Madras—'44) B.Sc. Agri. (Madras —'47)	Doing improvement work in sweet potato and tapioca.	Pres.— Agricultural Col- lege, Lawley Road, Coimbatore. Perm.—S/o N. Srinivasa Iyengar, G.P.O., Mad- ras 1.	Assistant.	STO-G
8278	Sethuraman, Venu- gopal.	1926	B.Sc. Agri. (Madras —'49)	Breeding long staple cotton.	Pres.— Agricultural Re- search Station, Palur, Nellikuppam, Distt. S. Arcot. Perm.—109, Bodu Chetty Street, Tirupapuliyur, Distt. S. Arcot.	Cotton Asstt.	STO-G

## PLANT BREEDING &amp; GENETICS—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8279	Sheth, Sunderji. Dolatray	1901	B.Ag. (Bombay—'25) M.Sc Plant Breeding & Genetics. (Ohio. U.S.A.)	Since 1925 serving in agricultural department, at present enga- ged in cotton develop- ment.	Pres.—Surat. Perm.— Shri Nivas, 2, Jaganath Plot, Raj- kot.	Asstt. Cotton Development Officer.	STO-G.
8280	Simlote, Mohan. Kishan	1909	B.Ag. (Nagpur—'30) M.Sc. Agri. (Nagpur —'44) LL B. (Agra—'34)	From 1930-36 carried out farm management and since 1936 doing plant breeding work. Publish- ed papers on breed- ing, developmental and statistical work on cotton, wheat, etc.	Pres.—Institute of Plant Industry, Indore. Perm.— Do.	Asstt. Botanist.	R-G.
8281	Sindagi, Shivashen- karappa Siddappa.	1928	B.Sc. Agri. Hons. (Karnatak—'51)	Improvement work on oilseeds.	Pres.—Govt. Main Farm, Raichur. Perm.— C/o Dr. Deshpande, Station Road, Raichur.	Oilseeds Re- search Asstt.	STO-G.
8282	Srinivasan, K.		For particulars, refer to S. No. ST. 7272 on page 867.				
8283	Subbaraju, Alluri.	1919	B.Sc. Agri. (Madras —'49)	8 years breeding work in sugarcane, plantain, turmeric and paddy.	Pres.—Agricultural Re- search Station, Maru- ter. Perm.— Alamuru, P.O. Attili, Distt. W. Godav- ary.	Assistant in Paddy.	STO-G.
8284	Subbiah, Vaidya- nathan.	1924	B.Sc. Agri. (Madras)	Crop improvement work in gingelly and ground- nut.	Pres.— Agricultural Re- search Station, Tindi- vanam. Perm.— C/o Dr. S V. Mudaliar, 18 G, Grmoo Road, Kilpauk, Madras 10.	Assistant in Oilseeds.	STO-G.
8285	Subramanian, Andi- appa.	1920	B.Sc. Agri. (Madras)	8 years breeding work in millets.	Pres.— I/c Regional Millet Station, Ariyalur, Distt. Trichirapalle. Perm.—P.O. Soorankudy, Taluk Nanguneri, Distt. Tinnevelly.	Assistant.	STO-G.
8286	Suryanarayanamurty, Chimalapati Ven- kata.	1924	B.Sc. Agri. (Madras —'49)	Engaged in improvement of castor.	Pres.—Agricultural Re- search Station, Tindi- vanam, S. Arcot. Perm.— 5/162, Daba- garden, P.O. Waltair, Distt. Vizag.	Assistant.	STO-G.
8287	Thangam, Menakath Sankaran Nayar.	1928	B.Sc. Agri. (Madras —'51)	Millets breeding.	Pres.— Millets Section, Agricultural College, Coimbatore. Perm.— Malabar Jewel- lery House, Ottapalam, S. Malabar.	Assistant in Millets.	STO-G.
8288	Tirumalachar, Deva- nur Kasturi Ranga Cher.	1926	B.Sc. (Mysore—'47) B.Sc. Agri. (Banaras —'51)	Crop improvement work in oilseeds.	Pres.— Himayathsagar Farm, Hyderabad. Perm.—Dept. of Agricul- ture, Hyderabad.	Research Asstt.	STO-G.

## PLANT BREEDING &amp; GENETICS—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8289	Uzir, Narayan.	1916	B.Sc. Agri. (Allahabad —'40)	10 years work in botani- cal investigations & breeding of rice crop.	Pres.—Jorhat, Assam. Perm.—P.O. Barbhetia, Jorhat.	Asstt. Economic Botanist. (P & D)	STO-G.
8290	Valdyo, Sham Bapu.	1907	B.Ag. (Nagpur) Assoc. I.A.R.I. (Pusa, Bihar)	Since 1935 teaching bo- tany, specialization in plant breeding & gene- tics.	Pres.—Kapre's Bungalow, Dharampeth, Nagpur.	Lecturer in Botany.	T-
8291	Vaydande, Chinta- man Dadu.	1926	B.Sc. Agri. (Poona —'51)	...	Pres.— Jowar Breeding Station, Mohol, Distt. Sholapur. Perm.—Gosaviyachiwadi, P.O. Aundh, Distt. N. Satara.	Agricultural Officer.	STO-G.
8292	Venkataraman, Krish- namoorthi.	1927	B.Sc. (Madras—'46)	Engaged in improve- ment of millets by plant breeding technique.	Pres.—Agricultural Col- lege & Research Insti- tute, P.O. Lawley Road, Coimbatore. Perm.—C/o K.R. Krishna- moorthi Aiyar, 6/92, Township Extension, Katpadi, Distt. N. Arcot.	Assistant.	STO-G.
8293	Venkataraman, Naga- sundaram.	1927	B.Sc. Agri. (Madras —'49)	Working in a cotton breeding scheme.	Pres.—Winter Cambodia Scheme, Coimbatore. Perm.— C/o Sri A.S. Nagasundaram, Asstt. Engineer, Villupuram.	Cotton Asstt.	STO-G.



# PLANT PATHOLOGY

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8294	Abhyankar, Sadashiv Ganesh.	1922	B.Sc. Agril. (Bombay —'44)	For 7 years carried out improvement work in pulses, now teaching plant pathology and bacteriology for the last 2 years and continuing research work, published papers.	Pres.— Plant Pathology Section, College of Agriculture, Poona 5. Perm.— Do.	Demonstrator.	TR-G.
8295	Addy, Sushil Kumar.	1928	B.Sc. Agri. (Banaras —'49) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi —'51)	Work in plant protection including use of insecticides.	Pres.—Plant Protection Office, Dept. of Agriculture, Cuttack 1. Perm.— O/o Dr. Gopi Nath Addy, Baradand, Puri.	Asstt. Plant Protection Officer.	STO-G.
8296	Agarwala, Radhey Krishan.	1929	B.Sc. Agri. (Agra—'50) M.Sc. Agri. Bot. (Allahabad—'52)	For the last 2 years engaged in research on plant pathological problems.	Pres.— 85, Sir Sunder Lal Hostel, Allahabad University, Allahabad. Perm.—220, Chatta Deputy Ganj, Bulaudshahr.	Research Scholar.	R-S.
8297	Agrawal, Anand Kishore.	1926	B.Sc. (Agra—'46) M.Sc. spl. Plant Pathology. (Agra —'48)	4 years plant pathological work.	Pres.— The Plant Protection Service Sub Centre, Gonda. Perm.— O/o Dr. R.K. Gupta, Laxmi Medical Hall, Firozabad, Distt. Agra.	Junior Plant Protection Assistant.	STO-G.
8298	Allayyanavaramath, Sidramayya Bassaprabhayya.	1926	B.Sc. Agri. Hons. (Karnatak —'51)	For the last 1½ years doing plant pathological research.	Pres.—Plant Pathology Section, College of Agriculture, Poona 5. Perm.— Do.	Agricultural Officer.	R-G.
8299	Appavu Naidu, Challagundla	1927	B.Sc. Agri (Andhra —'49)	...	Pres.—Agricultural College, Bapatla, District Guntur. Perm.— Vill. Peddakalva, P O. Chittoor.	Asstt. Lecturer in Mycology.	T-G.
8300	Atheya, Satyacharan.	1926	B.Sc. Agri. (Agra—'48) M.Sc. Agri. spl. Mycology & Plant Pathology. (Agra —'50)	1½ years plant protection work.	Pres.—I/o Plant Protection Sub-Centre, Lakhua, Etawah. Perm.— O/o Sri Mihi Lalji, Chouna Kankar, Kala Mahal, Mathura.	Junior Plant Protection Assistant.	STO-G.
8301	Bhide, Vishnu Parashtam.	1915	B.Sc. Agri. (Bombay —'37) Ph.D. Plant Pathology. (Bombay—'47) Ph.D. Plant Pathology & Bacteriology. (Iowa—'48)	For the last 16 years teaching and doing research in plant pathology & bacteriology, published papers on the same.	Pres.—Agricultural College, Poona. Perm.— Do.	Asstt. Prof. of Mycology.	TR-G
8302	Bose, Sahay Ram.	1888	B.A. (Calcutta—'07) M.A. Botany. (Calcutta—'08) Doctorate in Botany. spl. Mycology. (1922)	Since 1916 teaching botanical subjects, published a large number of papers on higher fungi.	Pres.—Carmichael Medical College, Calcutta. Perm.— Do.	Professor of Botany.	T-G

## PLANT PATHOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8303	Chakravarti, Bimala Pada.	1924	B.Sc. Agri. (Agra-'47) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi —'52)	5 years teaching & research work in plant pathology.	Pres.— Plant Pathology Section, P.O. Sabour, Distt. Bhagalpur.	Sr. Scientific Assistant.	TR-G.
8304	Chandwani, Gokaldas Harumal.	1919	B.Sc. Agri. (Bombay —'42)	For 7½ years carried out general agricultural work and now engaged in mycological research on rice crop.	Pres.— Mycology Division, Central Rice Research Inst., Cuttack. Perm.— O/31-117, General Head Quarters, Kalyan Camp No. 3, Bombay.	Research Asstt.	TR-G.
8305	Chenulu, Venkata. Vedula	1926	B.Sc. Agri. (Madras —'49) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi —'51)	Doing research on sugar-cane diseases.	Pres.— Sugarcane Breeding Institute, Lawley Road, Coimbatore. Perm— C/o Sri V. Kasipathi Chenulu, Vedulavari Street, P.O. Anakapalle, District Visakhapatnam.	Sr. Mycological Assistant.	R-G.
8306	Chohan, Jaswant Singh.	1922	B.Sc. Agri. (Punjab —'43)	Hybridization work in cereal crops and plant pathological investigations.	Pres.— Agriculture Office, Ambala City. Perm.— Vill. Trangalian, P.O. Mukrian, Distt. Hoshiarpur.	Plant Pathological Asstt.	STO-G.
8307	Chowdhury, Sudhir.	1912	B.Sc. Agri. (Allahabad —'34) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi —'36)	Carrying out and organizing research and extension work in mycology & plant protection; published large number of papers concerning the same	Pres.— Department of Agriculture, P.O. Jorhat, Assam. Perm.— P.O. Kailardham, Karimganj, Cachar.	Mycologist to Govt. of Assam.	STA-G. R-G.
8308	Das, Madhab Chandra.	1908	B.Sc. (Calcutta) M.Sc. (Calcutta) Ph.D. Mycology & Plant Pathology (Edinburgh) F.R.M.S. (London) F.L.S. (London)	10 years teaching and research experience in botany; specialised in systematic mycology & plant pathology, published papers on the same.	Pres.— Assam Agricultural College, Jorhat. Perm.— Vill. & P.O. Sualkuchi, Distt. Kamrup.	Principal.	TR-G.
8309	Das Gupta, Asoke.	1929	B.Sc. Hons. (Calcutta —'49) M.Sc. spl. Plant Pathology & Mycology. (Calcutta—'51)	Working in the C.S.I.R. scheme of "Survey of fungus flora of India".	Pres.—90/44, Muraripukur Road, Calcutta 4. Perm.— Do.	Jr. Mycological Assistant.	R-S.
8310	Deokaran Singh.	1927	B.Sc. Agri. (Agra-'48) M.Sc Agri. spl. Plant Pathology. (Agra—'50)	Since 1951 working on wilt diseases of sugar-cane.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.— Vill. Phadesara, P.O. Maunath Bhujan, Azamgarh.	Sr. Pathological Asstt.	R-G.
8311	Desai, Madhusudan Vallabhai.	1921	B.Sc. Agri. Hons. (Bombay—'43)	...	Pres.—Institute of Agriculture, Anand, Bombay State. Perm.—Vallabh Bhuvan, Desai Wago, Nadiad.	Lecturer in Plant Pathology & Bacteriology.	T-G.

## PLANT PATHOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8812	Dhande, Waman, Govind	1922	B.Sc. Agri. (Bombay —'44) M.Sc. Agri. spl. Plant Pathology. (Poona —'51)	For the last 8 years engaged in breeding disease resistant varie- ties of crops and doing investigations in the bacteriological diseases of crop plants, published papers.	Pres.—C/o Plant Patho- logist to Govt., Poona. Perm.— Do	Agricultural Officer.	R-G.
8813	Dharma Rajulu, Kondapalli.	1904	B.Sc. (Bombay—'27) M.Sc. (Bombay—'31)	For 18 years carried out research work on agri- cultural and plant pathological aspects of diseases and insect resis- tance, and since 1940 engaged in scrutinizing of research and seed extension schemes of the Committee; publish- ed papers on cotton.	Pres.— Indian Central Cotton Committee, P.O. Box No. 1002, Bom- bay 1. Perm.— Do.	Technical Officer.	STA-SG.
8814	Dubey, Hari Datt,	1928	B.Sc. Agri. (Banaras —'50) M.Sc. Agri. (Banaras —'52)	Sugarcane pathology.	Pres.— Mycology & Pathology Section, Cen- tral Sugarcane Research Station, Pusa, Bihar. Perm.— D. 50/20, Kazi- pura Kalan, Banaras.	Jr. Research Assistant.	STO-G.
8815	Elias, Nedumparam- pil Abraham.	1923	B.A. (Madras—'44) M.Sc. Agri. spl. Plant Pathology & Myco- logy. (Banaras—'48)	Since 1949 working on diseases of tobacco and their control.	Pres.— Central Tobacco Research Institute, Rajahmundry. Perm.— Nedumparampil, P.O. Alwaye, Travancore-Cochin.	Mycology Ass't.	R-SG.
8816	Ghal, Devi Dayal.	1918	B.Sc. Agri. (Punjab —'39)	Since 1939 serving in agriculture department, at present working on the wilt diseases.	Pres.— 63, Jhoke Road, Ferozpur Cantt. Perm.— Qr. No. 4, Block No 8, Rajendar Nagar, New Delhi.	Research Ass't.	R-G.
8817	Govindaswamy, Coim- batore Venkat- swamy.	1922	B.Sc. Agri. (Madras —'48) Assoc. I.A.R.I. (New Delhi—'51)	Since 1948 serving in agriculture department and for the last 2 years teaching plant pathology & mycology to degree classes.	Pres.— Agricultural Col- lege, P.O. Bapatla, Distt. Guntur. Perm.— 10/22, Srinivasa- raghavar Street, P.O. R.S. Puram, Coimba- tore.	Lecturer in Mycology.	T-( G.
8818	Grewal, Singh. Jawand	1928	B.Sc. Agri. (Punjab —'47) M.Sc. Agri. spl. Myco- logy & Plant Patho- logy. (Agra—'50)	For the last 2 years working on diseases of fruits.	Pres.— Botany Dept., University of Allah- abad, Allahabad 2. Perm.— C/o Ishar Singh, Head Master, Vill. God- dowal Lakhawal, P.O. Ludhiana.	Research Schol- lar.	R-S.
8819	Hundal, Singh. Mohar	1917	B.Sc. Agri. (Punjab —'40)	Since 1945 serving in agriculture department and at present carrying out investigations on gram wilt and its con- trol measures.	Pres.— Plant Pathologi- cal Section, Agricul- tural Inst., Ferozepur Cantt. Perm.— Vill. & P.O. Verka, Distt. Amritsar.	Research Ass't.	R-G.

## PLANT PATHOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8320	Jain, Abir Chandra.	1922	B.Sc. Agri. (Nagpur—'44) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi—'51)	For 7 years carried out research in mycology & plant pathology and since 1951 teaching plant pathology, published papers.	Pres.—College of Agriculture, Nagpur. Perm.—Vill. Tanda, P.O. Keoli, Distt. Sagar.	Lecturer.	T-G.
8321	Joshi, Lakshminikant.	1924	B.Sc. Agri. (1948) M.Sc. Agri. spl. Mycology & Plant Pathology. (1950)	...	Pres.—Agriculture College, Gwalior. Perm.—Mundlebhawan, Marlipur, Dhar, M.P.	Sr. Lecturer in Plant Pathology.	T-G.
8322	Joshi, Lalit Mohan.	1925	B.Sc. (Allahabad—'44) M.Sc. Botany spl. Plant Pathology. (Agra—'47)	Doing research work in cereal rusts.	Pres.—Division of Mycology, I.A.R.I., Pusa, New Delhi. Perm.—"Ambashram", Diggir Bungalow, Almora.	Research Asstt.	R-G.
8323	Kosby, Theverthundi Abraham.	1912	B.Sc. Agri. (Allahabad—'37) M.Sc. Botany. (Ohio—'46) Ph.D. Mycology and Plant Pathology. (Ohio—'48)	Since 1937 teaching biology to agricultural classes.	Pres.—Allahabad Agricultural Inst., Allahabad. Perm.—Do.	Associate Professor.	T-NG.
8324	Kulkarni, Gopal Subrao.	1881	M.Ag. Plant Pathology. (Bombay)	Served as Plant Pathologist to Govt. of Bombay and Professor of Plant Pathology; published bulletins and memoirs on agricultural subjects.	Pres.—Station Road, Dharwar. Perm.—Do.	...	Retd.
8325	Kulkarni, Nilkantha Balkrishna.	1923	B.Sc. Agri. (Bombay—'44)	For the last 8 years engaged in teaching, research and development work concerning plant pathology and bacteriology.	Pres.—Plant Pathology Section, College of Agriculture, Poona 5. Perm.—Do.	Lecturer in Plant Pathology & Bacteriology.	TR-G.
8326	Kulkarni, Sharadchandra Narayan.	1928	B.Sc. Agri. Hons (Poona—'50) M.Sc. Agri. spl. Plant Pathology, Mycology and Microbiology. (Banaras—'52)	Testing varieties of linseed resistant to wilt and rust for Malwa tract.	Pres.—Institute of Plant Industry, Indore. Perm.—1170/11, Shivajinagar, Poona 5.	Pathological Assistant.	STO-G.
8327	Kulkarni, Yashavant Sadashiv.	1910	B.Ag. (Bombay—'31) M.Sc. Agri. spl. Plant Pathology. (Bombay—'49) Ph.D. Plant Pathology. (Poona—'52)	21 years research work in plant pathology, now breeding wilt resistant cottons. Published papers on bacterial diseases of plants and genetics of cotton	Pres.—C/o Plant Pathologist to Govt., College of Agriculture, Poona. Perm.—Do.	Agricultural Officer.	R-G.
8328	Lal, Trilok Behari.	1915	B.Sc. Agri. (Allahabad—'35) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi—'37) M.S. Plant Pathology. (N. Carolina—'52)	Since 1938 engaged in plant pathological research work e.g. diseases of vegetable and cereal crops, quarantine work concerning imported plant material, published several papers on plant diseases and their control.	Pres.—Directorate of P.P.Q. & Storage, Plant Quarantine Station, Ganeshkhind Road, Poona 5. Perm.—Basan Gate Street, Bharatpur City, Rajasthan.	Plant Pathologist.	R-G.

## PLANT PATHOLOGY—Contd.

S. No. Sl.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8329	Mahadik, C.N.	1923	B.Sc. Agric. (Agra-'50)	Since 1950 doing research on rust resistant wheat varieties and routine work concerning identification of diseases.	Pres.—Agricultural Research Inst., Gwalior. Perm.—Opposite Motor Stand, Kamoo Kothi, Gwalior.	Asstt. Plant Pathologist.	R-G.
8330	Mathur, Raghunandan Lal.	1920	B.Sc. (Agra-'40) M.Sc. Botany spl. Mycology & Plant Pathology. (Agra-'42) LL.B. (Agra-'46)	For the last 6 years doing research on plant pathological problems, e.g. fungal, virus and physiological diseases of crops.	Pres.—Plant Pathology Section, Department of Agriculture, Rajasthan, Bharatpur. Perm.—C/o Sri Bankey Behari Lal, Contractor, P O. Kaman, District Bharatpur.	Research Asstt.	R-G.
8331	Mehata, Prem Prasad.	1926	B.Sc. Agric. (Patna—'48) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi—'52)	Research on sugarcane diseases and evolution of disease resistant varieties.	Pres.—Pathology Section, Central Sugarcane Research Station, Pusa, Darbhanga, Bihar. Perm.—"Madan Mandir", Jail Compound, P.O. Daltonganj, Palamau, Bihar.	Sr. Pathological Assistant.	R-G.
8332	Menon, K.P. Velukutty.	1904	B.Sc. (Bombay—'30) Ph.D. Botany. (London—'33) D.I.C. (London—'33)	Conducting research on diseases of coconut palm and published several papers on the same.	Pres.—Central Coconut Research Station, Kayangulam. Perm.—Kottisazath House, Perumanoor, Ernakulam.	Joint Director.	R-S.C.
8333	Merh, Jagmohan Lal.	1908	B.Sc. (Allahabad—'30) M.Sc. Botany spl. Mycology & Plant Pathology. (Allahabad—'32)	Worked for 5 years in the cereal rusts and for 4 years in seed potato certification. At present studying wilt resistance in cotton and linseed varieties & hybrids and doing plant protection work. Published reports on cereal rusts & seed potato certification.	Pres.—Institute of Plant Industry, Indore. Perm.— 21, Gopaldas Sahu's Lane, Benaras City.	Plant Pathologist.	R-G
8334	Misra, Ayodhya Prasad	1917	B.Sc. (Agra—'37) M.Sc. Botany spl. Plant Pathology. (Agra—'41) Ph.D. Plant Pathology. (Minnesota—'47)	For 6 years taught plant pathology to agricultural classes. Since 1948 engaged in (i) survey and identification of plant diseases (ii) trials of fungicides & weedicides and (iii) organisation of control measures against plant diseases and weeds. Published papers on linseed and wheat rusts.	Pres.—Directorate of Plant Protection, Quarantine & Storage, Shahjahan Road Hutsments, New Delhi. Perm.— Do.	Asstt. Systematic Mycologist.	STO-G.
8335	Moniz, Leopoldino.	1918	B.Sc. Agric. Hons. (Bombay—'41) M.Sc. Agric. (Bombay—'48)	From 1941-48 carried out general agricultural work and since 1948 teaching agricultural bacteriology, published papers on bacteriological diseases of agricultural crops.	Pres.—College of Agriculture, Dharwar. Perm.—Duarte's Bungalow, Soptapur, Dharwar.	Professor of Bacteriology.	T-G.

## PLANT PATHOLOGY—Contd.

S. No. S.T.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8336	Nagara, A.N.	1930	B.Sc. Agri. (Mysore—'50) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi—'52)	Doing research in virus diseases of coconut.	Pres.—Central Coconut Research Station, P.O. Ochira, Travancore-Cochin. Perm.— O/o Sri A.N. Moorthy Rao, 16/56, 3rd Road, N.R. Colony, Bangalore 4.	Asstt. Virus Pathologist.	R-SG.
8337	Nair Unnusayar Karunakaran.	1901	B.A. (Madras) B.Ag. (Bombay—'34)	Identification of the diseases of coconut palms.	Pres.— Indian Central Coconut Committee, Kayankulam. Perm.— Bugmanibhaw, Sasthamangalam, P.O. Perukkada, Trivandrum.	Sr. Research Assistant.	STO-SG.
8338	Narain, Tulsidas Khimandas.	1921	B.Sc. Agri. Hons. (Bombay—'48) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi—'47)	Since 1947 doing research on virus diseases of plants & plant viruses and teaching to post-graduate classes.	Pres.—Division of Mycology, Indian Agricultural Research Institute, New Delhi. Perm.— Do.	Research Asstt.	TR-G.
8339	Nikam, Bhagawant-rao Ganapatrao.	1911	B.Ag. (Bombay) M.Sc. Agri. (Bombay)	For the last 11 years working in Plant Pathological Laboratory of Madhya Bharat.	Pres.— Department of Agriculture, Govt. of M.B., Gwalior. Perm.— Naya Bazar, Lashkar, Gwalior.	Plant Pathologist to Govt.	STO-G.
8340	Nirula, Ram Lal.	1902	B.Sc (Punjab—'25) Ph.D. Plant Pathology. (London—'27) D.I.C. Plant Pathology. (London—'27) F.B.S (India)	Since 1929 engaged in teaching and research work in botany, specialization in plant embryology and plant bacteriology; published papers on different botanical subjects. (Also registered under Botany at S. No. ST. 8020 in Part I of the Volume)	Pres.— Vidyarba Mahavidyalaya, Amravati. Perm.— Do.	Principal.	TR-G.
8341	Padhye, Yeshwant Anant.	1924	B.Sc. Agri. (Bombay—'45) M.Sc. Agri. spl. Plant Pathology. (Poona—'52)	For 6 years served as Asstt. Mycologist in the Department of Agriculture, Bombay.	Pres.— Imperial Chemical Industries (India) Ltd., 18, Strand Road, Calcutta 1. Perm.— O/o A.G. Padhye Esq., 528, Sadashiv Peth, Poona 2.	Assistant.	STO-I.
8342	Padmanabhan, Sudhindram Yegnarnanana.	1916	B.Sc Hons. (Madras—'37) M.A. (Madras—'50) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi)	Since 1939 guiding research on sugarcane and rice diseases; published papers on mycological and plant pathological subjects.	Pres.—Central Rice Research Institute, Cuttack 4. Perm.— Do.	Mycologist.	R-G.
8343	Pandit, Srinivas Vishnu.	1923	B.Sc. (Bombay—'49) B.Sc. Agri. (Madras—'46)	Since 1946 engaged in plant pathological work.	Pres.— Plant Pathology Section, Main Farm, Himayatsagar, Hyderabad. Perm.— O/o Miss Sumati Pandit, A9354, Naseem Manzil, Narayanguda, Hyderabad.	Plant Pathological Asstt.	R-G.

## PLANT PATHOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8344	Patel, Ishwarbhai Maganlal.	1926	B.Sc. Agri. Hons. (Bombay—'48)	Doing research on tobacco diseases and teaching to agricultural diploma students.	Pres.—Institute of Agriculture, Anand, Distt. Kaira, Bombay. Perm.— C/o Magan Lal R. Patil, Detroj, Distt. Ahmedabad.	Research Asstt	TR-G.
8345	Pawar, Fatehsingh- rao Krishnrao.	1926	B.Sc. (Agra)	2½ years plant pathological work.	Pres.— C/o Mr. K.N. Pawar, Daulatganj, Lashkar, Gwalior. Perm.— Do.	Fieldman.	STO-G.
8346	Payak, Mohan. Madan	1928	B.Sc. (Agra—'47) M.Sc. Agri spl. Plant Pathology, Mycology and Microbiology. (Banaras—'49)	Engaged in research work for Ph.D. degree, published papers on the cytology and taxonomy of the rust fungi and plant diseases.	Pres.— Botany Laboratory, Maharashtra Association for the Cultivation of Science, Law College, Poona 4. Perm.—C/o J. Amritlal, Advocate, Partabgarh, Rajputana.	Research Scholar.	R-S.
8347	Pisharodi, Kizhakke- pishoram Balakrishna.	1922	B.Sc. Agri. (Allahabad—'46) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi—'49)	Surveying sugarcane diseases and devising control operations against the same.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.— C/o Dr. K.G. Pisharodi, Kottayam, Travancore-Cochin.	Field Pathologist.	STO-G.
8348	Prasad, Harihar.	1926	B.Sc. Agri. (Banaras—'48) M.Sc. Agri. (Banaras—'50)	Since 1950 doing mycological research.	Pres.—Mycology Section, Central Sugarcane Research Station, P.O. Pusa, Bihar. Perm.—C/o Syt. Chandi Prasad, P.O. Pakhanaba Bazar, Champaran, Bihar.	Sr. Mycological Assistant.	R-G.
8349	Prasad, Harish Chandra.	1924	B.Sc. Agri. (Patna)	5 years sugarcane pathological research work.	Pres.—Division of Mycology, Indian Agricultural Research Institute, New Delhi 12. Perm.— C/o Jugeshwar Sahai, Mohalla Bahadurpur, P.O. Samastipur, Distt. Darbhanga.	Jr. Research Assistant.	R-G.
8350	Prasad, Rama Nandan.	1926	B.Sc. Agri. (Agra—'50)	...	Pres.—Plant Pathological Section, Agricultural College, Sabour.	Jr. Research Assistant.	R-G.
8351	Rafay, Syed Abdur.	1908	B.Sc. (Alligarh—'24) M.Sc. Botany. (Lucknow—'26)	Since 1932 engaged in fundamental & applied research on sugarcane diseases, specialisation in plant protection and virus research work. Published papers on sewage chemistry, biochemistry, plant physiology, mosaic virus and other diseases of sugarcane.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.— C/o Maulana Mohammad-al-Faroqil, Daira, Bahadurganj, Allahabad.	Sugarcane Pathologist.	R-G.

## PLANT PATHOLOGY—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8352	Rakshit, Sanat Chandra.			For particulars, refer to S. No. ST. 7979 on page 942.			
8353	Ramakrishnan, Kuthur Venkatarama.	1920	B.Sc. (Madras—'41) M.Sc. (1946)	For 3 years carried out type culture and carbohydrate metabolism work on fungi. For the last 5 years doing work in pest control and plant protection section.	Pres.—Imperial Chemical Industries (India) Ltd., P.O. Box 190, Madras. Perm.—C/o R.S. Mani, Kumaracot, Gavipuram, P.O. Basavangudi, Bangalore 4.	Assistant, (Covenanted)	STO—I.
8354	Ramakrishnan, Taraoad Subramaniam.	1899	B.A. Hons. (Madras—'20) M.A. (Madras—'22) F.A.Sc. (India)	For the last 30 years doing research and teaching work in plant pathology and mycology, published a large number of papers on crop diseases.	Pres.—Agricultural Research Institute, P.O. Lawley Road, Coimbatore. Perm.— Do.	Mycologist to Govt. and Prof. of Plant Pathology.	TR-G.
8355	Rane, Madhukar Shankar.	1927	B.Sc. Agri. (Bombay—'48)	Since 1948 working in the cotton wilt breeding scheme.	Pres.—C/o Plant Pathologist to Govt., Poona. Perm.— C/o S.K. Rane, Pleader, Yaval, Distt. East Khandesh.	Agricultural Officer.	R-G.
8356	Rao, Dharmendra.	1927	B.Sc. Agri. (Agra) M.Sc. Agri. spl. Plant Pathology. (Agra—'51)	Sugarcane pathology.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.— Vill. Sonahula Ram Nagar, P.O. Tarkulwa, Distt. Deoria.	Sr. Mycological Assistant.	R-G.
8357	Sahaya, Bhanunjay.	1920	B.Sc. Agri. (Patna—'51)	Since 1946 working on diseases of sugarcane.	Pres.—Pathology Section, Central Sugarcane Research Station, Pusa, Distt. Darbhanga. Perm.—C/o Dhyani Chandra, Advocate, Kadambukan, Patna.	Jr. Research Assistant.	R-G.
8358	Sethi, Dharam Vir	1928	B.Sc. Hons. (Delhi—'50) M.Sc Botany. (Allahabad—'52)	Since 1952 doing research in fungi concerning fruits & vegetables.	Pres.— C/o Shri Har Bhagwan, No. 1, Thornhill Road, Civil Lines, Allahabad. Perm.— Do.	...	R-
8359	Sharma, Chetram.	1922	B.Sc. Agri. (Punjab—'43)	Since 1943 serving in agriculture department and now doing mycological research.	Pres.—Plant Pathological Research Sub-Station, Kulu. Perm.—Dabodba Kalan, P.O. Bahadurgarh, Distt. Rohtak.	Research Asstt.	R-G.
8360	Sharma, Shyama Lala.	1906	B.Sc. (Agra—'28) M.Sc. Botany. (Agra—'30)	For 8½ years carried out research in cereal rusts and now engaged in cane breeding and sugarcane mycological work, published several papers on anatomy, morphology and diseases of sugarcane.	Pres.—Central Sugarcane Research Station, Pusa, Darbhanga. Perm.— 218, Mandi Syed Khan, Agra.	Sugarcane Mycologist.	R-G.

## PLANT PATHOLOGY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8961	Srivastava, Ram Naresh Prasad.	1924	M.Sc. Agri. Botany. (Banaras—'46) M.Sc. Botany. (Patna —'52)	Since 1947 teaching botany & doing research in plant pathology.	Pres.— Plant Pathology Section, Agricultural Institute, P.O. Sabour, Distt. Bhagalpur.	Sr. Research Assistant.	TR-G.
8962	Shukla, Tapa Nath.	1924	B.Sc. Agri. (Agra-'47) M.Sc. Agri. spl. Plant Pathology. (Agra —'49) Ph.D. Plant Patho- logy & Plant Gene- tation (Minnesota—'52)	5 years research ex- perience in mycology and plant pathology.	Pres.—C/o Shiva Mangal Shukla, Education Sec- tion, Office of Director of Cottage Industries, Kanpur. Perm.— VIII. Dhuswa, P.O. Daldala, District Basti.	...	Un.
8963	Shukla, Virendra Nath.	1930	B.Sc. Agri. (Agra—'49) M.Sc. Agri. spl. Plant Pathology. (Agra —'61)	...	Pres.— C/o Shri Siddesh- war Shukla, Advocate, Civil Lines, Unnao. Perm.— Do.	...	Un.
8964	Singh, Ganga Prasad.	1929	B.Sc. Agri. (Banaras —'50) M.Sc. Agri. spl. Myco- logy & Plant Patho- logy. (Banaras)	Research work in plant pathology.	Pres.—Plant Pathology Section, Agricultural Institute, P.O. Sabour, Distt. Bhagalpur.	Sr. Research Assistant.	R-G
8965	Singh, Virendra Bahadur.	1927	B.Sc. Agri. (Agra—'48) M.Sc. Agri. spl. Plant Pathology. (Agra —'50)	Plant pathological work in sugarcane crop.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.— VIII. Bharauli, P.O. Salimpur, Distt Deoria.	Sr. Research Assistant.	R-G.
8966	Srivastava, Harish Chandra	1929	M.Sc. Agri. spl. Myco- logy & Plant Patho- logy. (Agra—'49)	Doing research in myco- logy and plant patho- logy, published papers.	Pres.—C/o Mr. B.P. Sinha, 122, Tagore Road, New Delhi. Perm.—C/o Mr. Narendra Bahadur, Sita Pershad Road, Kundri Rakab- ganj, Lucknow	Research Scho- lar.	R-S.
8967	Srivastava, Satya Narain Singh.	1922	B.Sc. (Lucknow—'40) M.Sc. Agri. Botany. (Banaras—'42)	For 9 years carried out field surveys & control operations against crop diseases and for the last 2 years engaged in re- search and quarantine enforcement work con- cerning foreign plant diseases, published pa- pers.	Pres.—Plant Quarantine Station, Poona 5. Perm.— Directorate of Plant Protection, Quar- antine & Storage, Ministry of Food and Agriculture, New Delhi.	Plant Patho- logist.	R-G.
8968	Suryanarayana, Dhanyamraju.	1922	B.Sc. (Andhra—'41) M.Sc. Botany. (Agra —'43) Ph.D. Plant Patho- logy. (Agra)	For the last 5 years do- ing research on fungous diseases of millets par- ticularly green ear disease of bajra and downy mildew of maize, and also teaching plant pathology to postgra- duate classes. (Also registered under Botany at S. No ST. 3181 in Part I of the Volume)	Pres.—Division of Myco- logy, Indian Agricul- tural Research Insti- tute, New Delhi. Perm.—C/o D Seshagiri Rao, Lecturer in Mathe- matics, P.R. College, Kakinada, S. India.	Lecturer in Mycology.	TR-G.

## PLANT PATHOLOGY—Contd.

S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8969	Tewari, Vijai Pratap.	1981	B.Sc. Agri. (Banaras—'60) M.Sc. Agri. spl. Plant Pathology. (Banaras—'59)	Sugarcane pathology.	Pres.—Central Sugarcane Research Station, Pusa, Bihar. Perm.—O/o Jagpal Tewari, Vakil, Prabhu Town, Rai-Baroli, U.P.	Sr. Research Assistant.	R-G.
8970	Vembar, Ravindra Nath.	1927	B.Sc. Agri. (Banaras—'49) M.Sc. Agri. spl. Mycology, Plant Pathology and Microbiology. (Banaras—'51)	...	Pres.—O/o V. Dwaraka Nath, "The Dwaraks", High School Extension, Tumkar, Mysore.	...	Un.
8971	Venkatarayan, S.V.	1898	B.A. (Madras—'18)	Since 1918 engaged in mycological research and also directing & organizing large scale control operations against fungous diseases of agricultural crops, published papers on plant diseases.	Pres.— Department of Agriculture, Bangalore 1. Perm.— 496, IX Cross Road, Malleswaram, Bangalore.	Plant Pathologist.	R-G.
8972	Vijayan, Kallara Manikoth.	1929	B.Sc. (Madras—'50)	Mycological research.	Pres.— Agricultural College, P.O. Lawley Road, Coimbatore. Perm.— Porakandijil House, P.O. Punnol, Tellicherry.	Assistant in Mycology.	R-G.
8973	Vishwanathan, Muriyankulangara Ananthanarayan.	1928	B.Sc. Agri. (Madras—'49) Assoc. I.A.R.I. Mycology & Plant Pathology. (New Delhi—'62)	Working in the co-ordinated wheat rust scheme.	Pres.—Institute of Plant Industry, Indore. Perm.— C/o Sri A.E.A. Iyer, Advocate, Kozhikode 2.	Research Asstt.	STO-G.

# ANIMAL HUSBANDRY & DAIRYING

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8374	Adavappa, Bangalore. (Capt.)	1911	L.V.P. (Punjab)	20 years experience in checking of outbreaks of contagious diseases and maintaining the health & efficiency of horses, mules & calves.	Pres. - Kash. BDE, C/o 56 A P.O., New Delhi. Perm. — C/o Bangalore Mallappa, P.O. Chellakere, Distt. Chitaldrug, Mysore State.	Officer Commanding.	SFO-G.
8375	Agarwala, Om Prakash.	1928	B.Sc. Agri. (Allahabad)	Since 1949 working on the quality improvement in milk & milk products and cattle breeding, published a number of articles on the same.	Pres. — Department of Animal Husbandry & Dairying, Agricultural Institute, Allahabad. Perm. — White Gunj, Hardoi.	Research Asstt.	R-SG.
8376	Anand, Om Parkash.	1920	L.V.P. (Punjab—'41) B.V.Sc. (Punjab—'52)	Engaged in the care and maintaining the health of animals.	Pres. — Military Farm, Jabbalpore. Perm. — Gussalan Street, Katra Saut Singh, Amritsar.	Vety. Officer.	STO-G.
8377	Angadi, Rajeshkar Shankarappa.	1925	B.Sc. Agri. Hons (Bombay—'48)	...	Pres.—College of Agriculture, Dharwar. Perm. — Lane Bazar, Dharwar.	Demonstrator in Animal Husbandry & Dairying.	I-G.
8378	Ansari, Zahir Ahmad.	1918	B.Sc. (Aligarh—'37) G.B.V.C. (Bihar—'41)	For 10 years worked in the C.V.D., U.P. Now working on animal genetics & breeding with special reference to artificial insemination in cattle.	Pres.—Artificial Insemination Centre, Mechanised State Farm, Babugarh, Meerut. Perm. — Mohalla Tarin Tikli, Shahjahanpur.	Research Asstt	R-G.
8379	Arora, Ratan Lal.	1917	G.B.V.C. (Bihar—'43)	10 years work in veterinary line including milk & meat inspection, artificial insemination work and breeding of animals.	Pres.—Civil Veterinary Hospital, Meerut.	Vety. Assistant Surgeon.	STO-G.
8380	Athawale, Chintamani Ramchandra.	1898	B.Ag. (Bombay—'22) Assoc. I.D.R.I. (Bangalore—'28)	Experience in animal husbandry & dairying.	Pres.—College of Agriculture, Nagpur. Perm. — Radhe-Shyam, Dhantoli, Nagpur.	Lecturer in Animal Husbandry.	T-G.
8381	Autar Singh.	1908	G.B.V.C. (Bengal—'32)	For 11 years worked in combating contagious diseases of the cattle. Since 1944 working in different capacities including service in the army for 2 years.	Pres.—Animal Husbandry Dept., Aligarh. Perm. — Vill. & P.O. Bundala, Distt. Amritsar.	Distt. Livestock Officer.	STO-G.
8382	Badhwar, Srishti Raj. (Major)	1914	B.Sc. Agri. (Punjab —'37) M.Sc. Agri. spl. Genetics. (Punjab—'39)	Administration & management of a group of military farms and research work in animal feeding & crop cultivation.	Pres. — RVFC Centre & School, Meerut Cantt. Perm. — C/o Badhwar Brothers, Ambala Road, Saharanpur.	Deputy Asstt. Director.	STA-G. R-G.
8383	Bahadur Singh. (Major)	...	B.V.Sc. (Punjab)	19 years work in the veterinary line, experience in animal husbandry.	Pres. — R V.F. Branch, Hd. Quarter Delhi Area, Delhi Cantt. Perm. — C/o Shri Jawala Mills, Ladwa, Distt. Karnal.	Deputy Asstt. Director.	STA-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8384	Bakshi, Narbadeshwar Prasad.	1920	Dip. Vety. Sc. (Patna '46) Training in poultry. (Azamgarh)	Working at Govt. Poultry Farm besides doing veterinary work.	Pres.— Veterinary Hospital, Azamgarh. Perm.— Vill. & P.O. Murar, District Arrah, Bihar.	Vety. Asstt. Surgeon.	STO-G.
8385	Balbir Singh.	1911	G.B.V.O. (Bihar) Training in Sheep Husbandry and wool analysis. (Poona) Advanced Course in Animal Husbandry. (I.V.R.I., Izatnagar)	Engaged in research & development work connected with sheep & goat husbandry.	Pres.— Angora Goat Breeding Scheme, Pipalkoti, Distt. Garhwal. Perm.—C/o Dr. Ranvir Singh, Krishna Nagar, P.O. Gandhi Nagar, Delhi.	Officer In-charge.	R-G.
8386	Barsaul, Chitrangjan Singh.	...	B.Sc. (Aligarh—'47) B.V.Sc. & A.H. (Agra —'51)	...	Pres.— U.P. College of Vety. Science & Animal Husbandry, Mathura. Perm.—Vill. Bahapur, P.O. Hathras, District Aligarh.	Demonstrator in Nutrition.	T-G.
8387	Barthwal, Govind Prasad.	1917	G.B.V.O. (Bihar)	10 years professional work in different districts of U.P. concerning veterinary medicine & surgery, animal nutrition and artificial insemination.	Pres.—Sitalpur, U.P Perm.—Vill. Balori, P.O. Pauri, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8388	Barua, Jogindranath.	1914	B.Sc. (Calcutta—'37) Assoc. I.V.R.I. (Izatnagar) Training in Animal Nutrition. (I.V.R.I.) Training in Animal Husbandry. (I.V.R.I.)	Since 1948 working in biochemical problems relating to nutrition of both plants & animals.	Pres.—Govt. Agricultural Research Laboratory, P.O. Barbheta, Jorhat, Assam. Perm.— Do.	Asstt Agricultural Chemist.	R-G.
8389	Bhan, Prithvi Nath.	1916	G.M.V.O. (Madras)	10 years work in looking after the health of livestock.	Pres.—Akhnoor, Jammu-Tawi. Perm.—Bhana Mohalla, Srinagar, Kashmir.	Vety. Asstt. Surgeon.	STO-G.
8390	Bharadwaj, S.D.	1918	G.B.V.C. (Bihar—'42)	11 years experience in animal husbandry and veterinary science.	Pres.—Veterinary Hospital, Chandpur, Distt. Bijnor. Perm.— Vill. Nagla Shekhu, P.O. Khurja, Distt. Bulandshahr.	Vety. Asstt. Surgeon.	STO-G.
8391	Bhatnager, Dayal Saran.	1928	B.Sc. Agri. (Agra—'49) Advanced course in Artificial Insemination. (I.V.R.I., Izatnagar—'50)	Working on animal breeding and reproduction physiology.	Pres.— Animal Genetics Division, Indian Veterinary Research Institute, Izatnagar. Perm.—C/o Brij Bhooshan Singh Bhatnager, Danaoli, Lashkar, Gwalior.	Research Scholar.	R-S.
8392	Bisht, Kunwar Singh.	1924	G.B.V.O. (Bihar)	7 years experience in disease control & cattle breeding work.	Pres.—Kotdwara, Garhwal. Perm.—Vill. Pipali Patti Mala Silor, P.O. Seoni, Ranikhet.	Vety. Asstt. Surgeon.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8393	Bishwapati, Ram.	1927	G.B.V.C. (Bihar) P.G. training in Artificial Insemination.	4 years work in livestock improvement.	Pres.—Patna. Perm.—Vill. Hemza, P.O. Haidarnagar, Palamau, Bihar.	Livestock Ins- pector.	STO-G.
8394	Bonde, Hemraj Shiva ram.	1926	B.Sc. Agri. Hons. (Poona—'50) M.Sc. Agri. spl. Dairy Science. (Poona—'52)	...	Pres.— C/o M/s Patil Bros., Jamner Road, P.O. Bhusawal, Distt. East Khandesh. Perm.— P.O. Hingona, via Falzpur, District East Khandesh.	...	Un.
8395	Bose, Sarashipada.		For particulars, refer to S. No. ST. 6019 on page 724.				
8396	Chandreshaker, Beerappa.	1915	G.V.Sc. (Calcutta—'36) M.Sc. Animal Hus- bandry. (Michigan —'48) M.Sc. Bacteriology. (Michigan —'51) Ph.D. Animal Hus- bandry. (Michigan —'51)	15 years research work in animal husbandry, published papers on genetics and environmental contributions of dairy animals.	Pres.—Animal Husban- dry Dept., Mallewaram, Bangalore 3. Perm.— Do.	Research Offi- cer. (Animal Husbandry)	R-G.
8397	Chatterji, Subodh Kumar.	1907	G.B.V.C. (Bengal—'29)	Experience in the veteri- nary line, sheep & goat breeding and wool ana- lysis.	Pres.—P.O. Dumka, Distt Santhal Parganas. Perm.— C/o Girindra Nath Chatterji, Baddam Bazar, Hazaribagh.	Vety. Asstt. Surgeon.	STO-G.
8398	Chaudhary, Satish Pratapsingh.	1927	G.B.V.C. (Bihar—'48)	Treatment of animals & their husbandry cum management.	Pres.— Distt. Dairy Demonstration Farm, Mathura. Perm.— C/o Jagannath Pd., Vill. Bibauli, P.O. Bharthua, District Etawah	Cattle Incharge cum Vety. Asstt. Sur- geon.	STO-G.
8399	Chaudhry, Jai Dev Prasad.	1916	G.V.Sc. (Calcutta—'42)	12 years experience in treatment of animals, artificial insemination, and in cattle & horse breeding.	Pres.— Veterinary Hos- pital, Etawah. Perm.— Vill. Bibauli, P.O. Bharthua, Etawah.	Vety. Asstt. Surgeon.	STO-G.
8400	Choudhary, Narayan.	1925	Dip. Vety. Science. (Patna—'47) P.G. training in Ani- mal Husbandry. (I.V.R.I., Izatnagar —'51)	For 3 years worked on wool development and one year in sheep & goat breeding.	Pres.—Chapra, Saran. Perm.— Vill. Bhagwan- pur, P.O. Katri Sarai, Patna.	Livestock Ins- pector.	STO-G.
8401	Choudhuri, Kumar.	1915	B.A. (Calcutta—'35) I.D.D. (Bangalore—'39)	18 years of dairy work.	Pres.—Govt. Cattle Farm, Patna. Perm.— P-184B, Lake Terrace, Ballygunge, Calcutta 29.	Dairy Overseer.	STO-G.
8402	Datta, Ramesh Chan- dra. (Major)	1922	B.Sc. Agri. (Punjab)	Dairy farming and ani- mal nutrition.	Pres.—R.V. & F. Branch, H.Q. Eastern Command, Ranchi. Perm.— C/o Imperial Bank of India, Ranchi.	Deputy Asstt Director.	STA-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8403	Datta, Shanti Parkash (Capt.)	1914	G.V.Sc. (Calcutta-'36)	17 years service in IAVO, experience in management of dairy farms & meat inspection.	Pres.—C/o Branch Veterinary Hospital, Lucknow. Perm.—C/o Ganga Bishan Ball, Dina Nagar, Distt. Gurdaspur.	Vety. Officer.	STO-G.
8404	Deol, Dalip Singh.	1908	I.D.D. (1929)	28 years experience in military farms including animal husbandry, dairying and agricultural work.	Pres.— Military Farm, Pathankot. Perm.— Vill. & P.O. Boparai Kallan, Distt. Ludhiana.	Manager.	STO-G.
8405	Desai, Dhiroobhai Khandubhai.	1913	G.B.V.C. (Bombay) P.G. of I.V.R.I. D.V.M. (Toronto)	Teaching veterinary science to B.Sc. Agri. students besides working in the veterinary hospital. Experience of stud farming, husbandry and cattle & poultry veterinary work. Published papers on milk and lactation of pregnant mare.	Pres.—College of Agriculture, Poona. Perm.— Maroli, P.O. Maroli Bazaar, Distt. Surat.	Prof. of Vety. Science.	T-G.
8406	Dey, Kumud Behari.	1908	G.B.V.C. (Bengal-'31)	For 17 years worked in the maintenance & treatment of horses. At present engaged in meat inspection and maintenance and breeding of cattle.	Pres.—C/o Supply Depot, A.S.C., Roorkee. Perm.—C/o R.V.F. Corps Centre & School, Meerut Cantt.	Vety. Asstt. Surgeon.	STO-G.
8407	Dhaundiyal, Parasar.	1910	G.V.Sc. (Calcutta-'36)	18 years experience in veterinary line including cattle breeding and feeding.	Pres.—Govt. Mechanised State Farm, Hempur, P.O. Kashipur, Distt. Nainital. Perm.— Vill. Manipore, P.O. Garkhatu, Distt. Garhwal.	Asstt. Surgeon.	STO-G.
8408	Dhulia, Pitambar Datt.	1907	G.B.V.C. (Bengal-'30) P.G. from I.V.R.I. (Mukteshwar)	Livestock development and disease control work.	Pres.—Bareilly. Perm.— Vill. Madanpur, P.O. Dadamandi, Distt. Garhwal.	Distt. Livestock Officer.	STO-G.
8409	Dutt, Basheshwar Nath.			For particulars, refer to S.N. ST. 7698 on page 913.			
8410	Dutta, Romesh Chandra. (Major)	1920	B.Sc. Agri. (Punjab) P.G. training in Dairying.	Development of dairying, animal husbandry and agricultural farms.	Pres.—Remounts, Veterinary & Farms, Hd. Quarters, Western Command, New Delhi. Perm.— Gajsingh Pur, Bikaner State.	Deputy Asstt. Director.	STA-G.
8411	Ecka, Solomon Theophilus.	1913	B.Sc. Agri. (Allahabad—'40) M. Agri. Sc. (1958) Advanced course in Animal Husbandry. (I.V.R.I., Isatnagar —'47)	12 years work in animal & plant breeding.	Pres.— Bachaur Cattle Breeding Farm, Pusa, Darbhanga, Bihar. Perm.—No. 5, Gungutoli, Church Road, Ranchi.	Supdt.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8412	Ghasita Singh.	1914	G.B.V.C. (Bihar-'42)	Maintenance, breeding & treatment of animals and control of cattle epidemics.	Pres.—Sadar Veterinary Hospital, Bulandshahr. Perm.— Vill. & P.O. Bhukatheri, District Muzaffarnagar.	Vety. Asstt. Surgeon.	STO-G.
8413	Ghulam Abbas.	1928	G.V.Sc. (Calcutta-'52)	Engaged in animal husbandry, veterinary science and fisheries work.	Pres.— Civil Veterinary Hospital, P.O. Khalilabad, Distt. Basti Perm.-P.O. Nizamabad, Distt. Azamgarh.	Vety. Asstt. Surgeon.	STO-G
8414	Goni, Shivaraj Kuberappa.	1916	B.Sc. Agri. Hons. (Bombay-'40) M.S. (Minnesota, U.S.A.—'49) Ph.D. (Minnesota, U.S.A.—'50)	6 years in teaching animal husbandry & dairying to degree & postgraduate students besides work in the dairy section of the college.	Pres.—College of Agriculture, Dharwar. Perm.—Mangalwar Path, Hubli.	Prof. of Dairying & Animal Husbandry.	T-G.
8415	Gupta, A.O.	1906	L.V.P. (Punjab—'31)	22 years service in the veterinary line including cattle breeding.	Pres.—Baramulla, Kashmir. Perm.— Ramnagar, Udhampur, Kashmir State.	Vety. Inspector.	STO-G.
8416	Gupta, Baij Nath.	1919	G.M.V.C. (Madras-'42) B.V.Sc. (Madras-'53) P.G. training in Poultry Husbandry & Poultry diseases. (I.V.R.I.)	Poultry husbandry, poultry disease control and development work.	Pres.—Office of the Dy. Director of Animal Husbandry, Meerut. Perm.—C/o Rala Ram Gupta, 168/7, Sewet Nagar, Dayalbagh, Agra.	St. Poultry Inspector.	STO-G.
8417	Gupta, Gaorakhpal.	1926	B.Sc. Agri (Allahabad—'47) P.G. training in Animal Husbandry. (I.V.R.I.—'48) Assoc. I.V.R.I. (1950)	Doing research on problems relating to animal nutrition & scientific feeding of livestock.	Pres.—Animal Nutrition Research Section, Bharati Farm, Jhansi. Perm.— C/o Harprasad Gupta, Vill. & P.O. Sheikhupur, District Budaun, U.P.	Research Asstt.	R-G.
8418	Gupta, Govind-kishore.	1916	G.V.Sc. (Calcutta-'48) Training in technique of Artificial Insemination. (Mathura) Training in Poultry Diseases & Husbandry. (Lucknow)	10 years work in the veterinary line including work on artificial insemination, poultry husbandry & surra.	Pres.—Civil Veterinary Hospital, Lakhimpur-Kheri, U.P. Perm.— C/o Babu Lal Gupta, Mohalla Kotla Parcha Old, Farrukhabad.	Vety. Asstt. Surgeon.	STO-G.
8419	Gupta, Om Prakash.	1922	G.B.V.C. (Bihar) Short Course in Dairying. (I.D.R.I.)	7 years experience in treatment of animals and other animal husbandry activities.	Pres.—Civil Veterinary Hospital, Bah, Distt. Agra. Perm.—Vill. Satwal, P.O. Bohla, Distt. Meerut.	Vety. Asstt. Surgeon.	STO-G.
8420	Harbans Singh.	1907	I.D.D. (Bangalore —'29) Assoc.I.D.R.I. (Bangalore—'31)	15 years experience in teaching dairying and animal husbandry and 7 years in guiding work connected with the development of cattle, published an article on survey of breeds of cattle in India and handbook of Indian dairying.	Pres.—3, Park View Area, Karol Bagh, New Delhi. Perm.— Do.	Asstt. Cattle Utilization Adviser.	STA-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8421	Harbola, Jagan Nath.	1917	Dip. in Vet. Science. (Patna—'48)	7 years of animal husbandry work in the field and veterinary work in the hospital.	Pres.—Ranmager, Distt. Nainital. Perm.—Animal Husbandry Dept., U.P., Lucknow.	Vety. Ass'tt. Surgeon.	STO-G.
8422	Harjas Rai.	1904	L.V.P. (Punjab—'26) Assoc. I.D.R.I. (Bangalore—'45)	During 21 years of service, carried out animal husbandry and marketing work. Published several articles on development of livestock and animal husbandry.	Pres.—Ajmer. Perm.— Do.	Director of Animal Husbandry.	STA-G.
8423	Harshey, Damodar Balkrishna.	1915	G.B.V.C. (Bombay —'37)	15 years work in the application of veterinary & animal husbandry science to field work.	Pres.— Veterinary College, Jabalpur. Perm.— Do.	Vety. Ass'tt. Surgeon.	T-G.
8424	Hazra, S.K.	1930	G.V.Sc. (Calcutta—'51)	Serving in R.V.F.O. unit of Indian army.	Pres.— Military Dairy Farm, Dobra Dun. Perm.—3/1/4, Kedar Bose Lane, Calcutta 25.	Vety. Surgeon.	STO-G.
8425	Hussain, Syed Mustafa.	1919	G.R.V.C. (Bihar—'41) P.G. of Animal Husbandry. (I.V.R.I.—'42) M.Sc. Animal Husbandry. (Michigan, U.S.A.—'49) D.V.M. (Michigan, U.S.A.—'49)	Managing cattle breeding & dairy farm of Bihar Govt.	Pres.— Govt. Cattle Breeding & Dairy Farm, P.O. Veterinary College, Patna. Perm.— Mohalla Karanbarai, P.O. Sasaram, Distt. Shahabad, Bihar.	Manager.	STO-G.
8426	Jacob, P.C.	...	I.D.D. (Bangalore—'49)	Engaged in livestock improvement work.	Pres.—P.O. Muzaffarpur, Bihar. Perm.—Thottathil Putten Veedu, P.O. Chathanoor, Travancore State.	Livestock Inspector.	STO-G.
8427	Jagdish Swami.	1921	I.D.D. (Bangalore—'46)	Animal breeding work.	Pres.—Patna. Perm.— Harmu Road, Ranchi.	Goshala Development Officer.	STO-G.
8428	Jamdar, Manohar Narayan.	1920	G.B.V.O. (Bombay —'45) P.G. in Animal Husbandry. (I.V.R.I.—'50) P.G. in Vet. Science. (I.V.R.I.—'50) P.G. in Poultry Husbandry (I.V.R.I.—'51) P.G training in Artificial Insemination. (I.V.R.I.—'51)	Control & treatment of animal diseases, farming, artificial insemination and teaching of anatomy.	Pres.— Vety. College, Jabalpur. Perm.— Do.	Asstt. Prof. of Anatomy.	T-G.
8429	Johari, Prasad, Bhairon	1910	G.B.V.O. (Bihar—'34) Training in Artificial Insemination.	Since 1984 serving in veterinary department, specialised in meat & milk inspection.	Pres.— I/o Artificial Insemination Centre, Kandhari, Agra. Perm.—Keyastha Street, Sahawar Town, Distt. Etah.	Vety. Officer.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8480	Joshi, Gopal Hari,	1902	G.B.V.O. (Bombay —'27)	Worked for 19 years on inspection & treatment of animals. Now teaching milk hygiene and animal hygiene to B.Sc. Vety. students.	Pres.—Bombay Veterinary College, Parel, Bombay 12. Perm.—148, Noor Villa, Ghodbandar Road, Khar, Bombay.	Asstt. Prof of Animal Husbandry and Vety. Inspector.	T.G. STO-G.
8481	Juneja, Gian Chand.	1918	B.A (Punjab—'46) M.R.O.V.S. (London —'41)	For 8 years served in Indian Army Remounts Veterinary & Farms Corps. Experience in animal disease control, poultry & sheep development work.	Pres.—Bareilly. Perm.—C/o Director of Animal Husbandry, Badshah Bagh, Lucknow.	Dy. Director of Animal Husbandry. (U.P.)	STA-G.
8482	Kak, S.L.	1909	L.V.P. (Punjab) Assoc. I.D.R.I. (Bangalore) Poultry Post-graduation. (Mysore)	Supervision & administration of veterinary institutions & breeding farms.	Pres.—Residency Road, Jammu. Prem.—Rainawari, Srinagar, Kashmir.	Vety. Inspector	STO-G.
8483	Kartha, K.P.R.	1901	B.Sc. (Madras—'25)	21 years experience in development of livestock including surveys & investigations, planning registration of pedigrees, recording of performances & utilization of records. Published several papers and reports on productivity of Indian cattle.	Pres.—Indian Council of Agricultural Research, New Delhi. Perm.—Bhakti Vilas, Chennamangalam.	Registrar of Central Herd Books.	STA-G.
8484	Katiyar, Rama Dhin.	1918	G.B.V.O. (Bihar) P.G. training in Vety. Sc. (I.V.R.I., Mukteswar)	10½ years experience of bacteriological and investigational work of diseases in animals (sheep & goats), published papers on vaccine lymph and animal husbandry.	Pres.—Animal Husbandry Department, Badshahbag, Lucknow. Perm.—C/o B. Kuber Singh Katiyar, Bhopat Patti, Farrukhabad.	Asstt. Disease Investigation Officer. (Sheep & Goats)	STO-G.
8485	Kaul, D.N.	1908	B.A. (Punjab—'30) L.V.P. (Punjab—'34) Training in Artificial Insemination. (I.V.R.I. Itatnagar —'45) P.G. training in Wool tech. & Sheep Husbandry. (Australia —'62)	For 6 years worked as Vety. Asstt. Surgeon in O.V.D. Kashmir. For the last 13 years working in sheep breeding to produce superior wool. Contributions on Kashmir sheep breeding.	Pres.—Govt. Sheep Breeding & Research Farm, Balial, Kashmir. Perm.—C/o Madho Kaul, Miskeen, Malapora, 2nd Bridge, Srinagar, Kashmir.	Officer In-charge.	R-S.
8486	Kaushal, Ram Sarup.	1917	G.B.V.O. (Bihar)	Since 1938 serving in Army Remount & Veterinary Department. Now engaged in horse & mule breeding operations.	Pres.—O/o Govt Stallion Stable, Amritsar.	Vety. Inspector.	STO-G

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8437	Kelkar, Chandrakant Narayan.	1914	G.B.V.C. (Bombay—'35) Assoc.I.D.R.I. (Bangalore—'39) M.Sc. Dairy Husbandry & Livestock Economics. (Minnesota, U.S.A.—'49)	For 8 years worked in C.V.D., M.P. and 8 years in animal husbandry & dairy development. Now teaching animal nutrition, milk hygiene & livestock economics, publications on importance of hay quality by feeding trials on dairy animals.	Pres.— Veterinary College, Jabalpur. Perm.—Civil Vety. Dept., M.P., Nagpur.	Prof. of Animal Husbandry.	T-G.
8438	Keshav Chandra.	1912	B.Sc. Agri. (Agra—'36) Dip. in Teaching. (Leeds—'44) Ph.D. Animal Nutrition, (Durham—'46) F.R.H.S. (London)	6 years in conducting research in animal nutrition and teaching applied chemistry & animal husbandry to postgraduate classes. Publications on chemical changes in feeding stuffs during storage.	Pres.—Division of Animal Nutrition, I.V.R.I., Izatnagar. Perm.— 52, Civil Lines, College Road, Bareilly.	Asstt. Research Officer. (Bio-chemistry)	R-G.
8439	Keswani, Dipchand Gopaldas. (Major)	1919	M.R.C.V.S. (U.K.—'42) B.Sc. Vety. Science. (Edinburgh—'42)	Control of various veterinary units and military dairy farms.	Pres.—H.Q., R.V.F., 20, INF Division, O/o 56 A.P.O., New Delhi, Perm.— F-118, Vinaya Nagar, New Delhi.	Deputy Asstt. Director.(RVF)	STA-G.
8440	Khan, Abdilmajid.	...	L.V.P. (Punjab—'41)	For the last 9 years working as field Vety. Asstt. Surgeon including 2 years work in Govt. cattle breeding farm.	Pres.—Handawara. Perm.—Vill. Dooniwari, Lolale, Tehsil Handawara, Distt. Baramula, Kashmir.	Vety. Asstt. Surgeon.	STO-G.
8441	Khurana, G.D. (Capt.)	1915	G.V.Sc. (Calcutta—'38)	Saddlery equipment and dairying.	Pres.— R.V.F.C. Centre & School, Meerut Cantt. Perm.—65-A, Taj Road, Agra Cantt.	Vety. Instructor.	T-G.
8442	Khurana, Jagmohan Singh.	1917	L.V.P. (Punjab—'42) M.Sc. Animal Husbandry. (Michigan, U.S.A.—'48) D.V.M. (Michigan, U.S.A.—'49)	Experience in animal husbandry, treatment & control of contagious diseases, artificial insemination and dairy practice. Now teaching physiology & biochemistry. Published papers on 'Cross breeding in dairy cattle' and contribution of livestock to soil fertility.	Pres.—Veterinary College, Jabalpur. Perm.— Do.	Professor of Physiology.	T-G.
8443	Kshirsagar, Shrinivas Govind.	1917	G.B.V.C. (Bombay—'38) Flaying of hides & skins & their preservation. (Bengal—'48) Advanced course in Animal Husbandry. (I.V.R.I. Izatnagar—'51)	Teaching animal husbandry & animal shoeing to B.Sc. Vety. students besides doing treatment of bovines & equines in hospital. published popular articles on animal husbandry activities.	Pres.—Bombay Veterinary College, Parel, Bombay 12. Perm.—C/o G.V. Kshirsagar, Sitakunj, Opp. Rungta High School, Nasik City.	Asstt. Prof. of Animal Husbandry.	T-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8444	Kushwaha, Nathu Singh.	1926	B.Sc. Agri. (Agra-'48) Assoc. I.V.R.I. (Izatnagar—'50)	Doing research relating to animal breeding, published papers on breeding of buffaloes.	Pres.— Livestock Research Station, U.P., Mathura. Perm.— Vill. Sirsa Do Garhi, P.O. Bangra, Distt. Jalaun, U.P.	Jr. Research Assistant.	R-G.
8445	Lachhaman Prasad.	1928	G.B.V.C. (Bihar—'49)	4 years experience in veterinary science and animal husbandry.	Pres.—Civil Vety. Hospital, Bilhaur, District Kanpur. Perm.—Vill. Markamau Bardari, P.O. Kintoor, Distt. Barabanki.	Vety. Asstt. Surgeon.	STO-G.
8446	Lakke Gowda, H.S.	1922	B.Sc. (Mysore—'48) M.Sc. Org. Chem. (Allahabad—'45) Advanced training in Animal Husbandry. (I.V.R.I., Izatnagar—'47) Assoc. I.V.R.I. (Izatnagar—'48)	Carrying on investigations in the nutritive value of Indian cattle feeds. Published papers on studies on jowar as cattle feed and on phytic acid-phosphorus metabolism in ruminants.	Pres.— Mysore Serum Institute, Hebbal, Bangalore 6. Perm.— Do.	Nutrition Chemist.	R-G.
8447	Lakra, Paschal.	1929	G.B.V.C. (Bihar)	Engaged in study & survey of biological factors effecting the value of hides & skins.	Pres.—Bihar Veterinary College, Patna. Perm.—Vill. Dhingurpani, P.O. Kinkel, District Ranchi, Bihar.	Vety. Asstt. Surgeon.	STO-G.
8448	Lakshmi Prasad. (Capt.)	1913	G.B.V.C. (Bihar—'35)	18 years work in animal management, animal husbandry, treatment of animals and meat inspection.	Pres.—H.Q. 21. Communication Zone, C/o New Delhi 56 A.P.O. Perm.—Vill. Panari, P.O. Khizersarai, Gaya, Bihar.	Executive Vety Officer.	STO-G.
8449	Laller, Amar Nath.	1928	B.Sc. Agri. Hons. (Delhi—'50) M.Sc. Agri. spl. Animal Husbandry & Dairying. (Punjab —'52)	...	Pres.— C/o Ch. Kehar Singh, 68A, Kamla Nagar, Subramandi, Delhi. Perm.— C/o Babu Ram Om Parkash, Arsi, Vill. & P.O. Ladwa, Distt. Karnal.	...	Un.
8450	Mahto, Ram Dahan.	1928	B.Ag. (Patua—'50)	Engaged in cattle improvement work and production of milk.	Pres.— P.O. Katihar, Distt. Purnea. Perm.— Bhagwan Road, Mithapur, Patna.	Livestock Inspector.	STO-G.
8451	Makhijani, Hiranand Javhersing.	1915	B.Sc. Agri. (Bombay —'38) Assoc. I.D.R.I. (Bangalore—'41)	Organization of cattle breeding and dairy farms besides experience in teaching of animal husbandry & dairying. Published papers on agriculture and cattle breeding.	Pres.— 11B/15, Central Neighbourhood, Lajpat Nagar, New Delhi. Perm.— Do.	Asstt. Livestock Officer.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8452	Makhijani, Jethanand Karamchand.	1907	B.Sc. Agri. (Bombay—'31) Assoc. I.D.R.I. (Bangalore—'36) Ph.D. Animal Genetics. (Edinburgh—'39)	Since 1943 worked in different capacities in animal genetics & animal husbandry. Now teaching & conducting research in the field of animal science. Publications on animal genetics, animal metabolism & nutrition.	Pres.— University of Ceylon, Peradeniya. Perm.— Lloyds Bank Ltd., Hornby Road, Bombay.	Prof. of Animal Husbandry.	TR-SG.
8453	Manglik, Chandra. Satish	1917	G.B.V.C. (Bihar—'41) Training in Artificial Insemination. (Mathura)	During 12 years service, worked both in animal husbandry & veterinary line.	Pres.— Civil Vety. Hospital, Hathras. Perm.— P.O. Behsuma, Distt. Meerut.	Vety. Asstt. Surgeon.	STO-G.
8454	Massey, Baker Swarup	1917	Dip. in Vety. Science. (Patna—'42) Short Course in Artificial Insemination. (Mathura)	11 years work in treatment of animal diseases, in animal breeding & husbandry and artificial insemination technique.	Pres.— Veterinary Hospital, P O. Bijnor. Perm.—C/o B.S. Massey, Agricultural Institute, Allahabad.	Vety. Asstt. Surgeon.	STO-G.
8455	Matharu, Balwant Singh. (Capt.)	1916	G.B.V.C. (Bihar—'38)	15 years experience in animal husbandry, training of horses & mules and in veterinary profession.	Pres.— Remount Depot, Saharanpur. Perm.— Vill. & P.O. Lalton Street, Dharmsala, Distt. Ludhiana.	Asstt. Remount Officer.	STO-G.
8456	Mathur, Rajendra Prasad.	1926	B.Sc. (Allahabad—'47) B.V.Sc. & A.H. (Agra—'52)	Engaged in artificial insemination and veterinary work.	Pres.— Veterinary Hospital, Deoria, U.P. Perm.—C/o R.P. Mathur, Advocate, Basti, U.P.	Vety. Asstt. Surgeon.	STO-G.
8457	Mathur, Suraj Narain.	1915	G.V.Sc. (Calcutta—'42)	10 years in animal husbandry and artificial insemination work.	Pres.— Civil Veterinary Hospital, Bareilly. Perm.— 11, Katra Road, Allahabad.	Vety. Asstt. Surgeon.	STO-G.
8458	Mehra, Hari Kishan. (Lt./Col.)	1905	M.R.C.V.S. (London—'32)	12 years experience in animal breeding work specially of thorough bred race horses, besides 5 years work in the veterinary line.	Pres.— Veterinary & Animal Husbandry Services, Madhya Bharat, Gwalior. Perm.—17, Gandhi Road, Gwalior.	Director.	STO-G.
8459	Mohammad Ibrahim.	1898	G.B.V.C. (Bengal)	Worked for 18 years in the veterinary line, 8 years in supervision of cattle & horse breeding and 7 years in supervision of horse, sheep & goat breeding.	Pres.—Animal Husbandry Dept., Saharanpur. Perm.—Mohalla Saraiy Sheikh Mahmud, Behind Church, Moradabad.	Distt. Livestock Officer.	STO-G.
8460	Mohammad Nizamuddin.	1915	G.B.V.C. (Bihar—'36) Assoc. I.D.R.I. (Bangalore—'46)	5 years work in treatment, breeding & feeding of animals and checking of outbreaks of diseases.	Pres.— Veterinary Dispensary, P.O. Arwal, Distt. Gaya.	Vety. Asstt. Surgeon.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks	
8461	Mohan, Sham Narain.	1912	B.Sc. Agri. (Punjab —'31)	Since 1933 worked as Manager of Military Dairy & Grass Farms. Experience in fodder cultivation, cattle breeding & management and manufacture of milk products.	Pres.—Hd. Qrs. Southern Command, Kirkee, Poona 3. Perm.— C/o Director of Remounts, Veterinary & Farms, Q.M.G's. Branch, Army Hd. Quarters, New Delhi.	Farms Officer.	STO-G.	
8462	Mohd. Abdulkhan.	-	G.B.V.C (Bengal-'31)	Treatment & development of livestock & poultry, prevention of contagious diseases and meat inspection.	Pres.— Veterinary Hospital, Phaphund. Perm.— P.O. Chatsuo, Jaipur.	Vety. Asstt. Surgeon.	STO-G.	
8463	Molasi, Mahesha Naud.	1910	G.V.Sc (Calcutta-'34) P.G. training.(I.V.R.I., Mukteshwar)	19 years service in various sections of Animal Husbandry Dept., U.P.	Pres.—Almora. Perm.— Vill. Payasu, P.O. Akarora, District Garhwal.	Distt. Livestock Officer.	STO-G.	
8464	Mookarji, Kreshualal.	1911	G.B.V.C. (Bengal-'32) Assoc. I.D.R.I. (Bangalore—'40)	(i) Canine practice & gun-dogs training (ii) veterinary & animal husbandry work.	Pres.—Barwani, Madhya Bharat.	Distt. Veterinary Officer.	STO-G.	
8465	Mozumdar, Deb Kumar.	...	G.B.V.C. (Bihar-'50) P.G. in Poultry. (I.V.R.I.)	Engaged in cattle inspection & breeding work.	Pres.—Shahabad, Arrah.	Livestock Inspector.	STO-G.	
8466	Muhammad Fahim-uddin.	1924	B.Sc. Agri. (Patna —'48) M. Agril. Sc. (Newzealand—'52)	Animal breeding & animal nutrition work.	Pres.—Bhagalpur City. Perm.— Zakkai Shaheed, P.O. Sasaram, Shahabad, Bihar	Distt. Livestock Officer.	STO-G.	
8467	Mukerji, Chandra.	Purna	1917	G.B.V.C. (Bihar-'41) Training in Artificial Insemination.	12 years in poultry development & cattle breeding.	Pres.— P.O. Jarwal, Teh. Kaisergunj, Distt Bahraich. Perm—109/174, Jawabat Nagar, Kanpur.	Vety. Asstt. Surgeon.	STO-G.
8468	Mukherje, Bhushan.	Biman	1932	I.D.D. (Bangalore)	...	Pres.—Stockmen Training Centre, Darbhanga. Perm.— C/o Dr. P.N. Mukherjee, P.O. Bihar Veterinary College, Patna.	Asstt. Instructor.	T-G.
8469	Mukherjee, Chand.	Bala	1907	G.B.V.C. (Bengal-'31)	From 1931-46 worked in Animal Husbandry Dept., U.P. Experience in cattle breeding and artificial insemination.	Pres.— Genetic Section, Veterinary College, Mathura. Perm.—C/o N.C. Mukherjee, Line Krishnaganj, Distt. Purnea, Bihar.	Sr. Research Assistant.	STO-G.
8470	Murari, Timmeri (Major)	Timmeri	1903	Dip. in Agri. (Wales —'24) B.Sc. Animal Husbandry & Nutrition. (Oxford—'28) Dip. in Rural Economics. (Oxford) F.L.S. (London) F.R.S.A. (London)	16 years experience in animal husbandry, poultry & management of pastures and 5 years in administration of military dairy farms. Published several books & papers on animal husbandry, fodder and dairying.	Pres.—19/14, Castle Major Road, Egmore, Madras 8. Perm.— C/o Grindlays Bank Ltd., Armenian Street, Madras.	Dy. Director of Animal Husbandry. (Livestock)	STA-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8471	Nadgir, Subbarao Ramarao.	1911	L.V.P. (Punjab—'32)	For 10 years worked in the control of contagious cattle diseases especially rinderpest and 10 years in the veterinary hospitals & field work.	Pres.—M.P. Veterinary College, Jabalpur. Perm.— Do.	Asstt. Prof. of Animal Husbandry.	T-G.
8472	Naithani, Narain Prasad.	1915	Dip. in Vet. Science. (Calcutta—'40) Sheep Husbandry training. (Orat, U.P.) Artificial Insemination Course. (Mathura)	Since 1940 doing sheep breeding and artificial insemination work.	Pres.—Civil Veterinary Hospital, Pauri, Distt. Garhwal. Perm.—Vill. & P.O. Naithana, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8473	Nambudripad, Ven- many Kunhunny Narayanan.	1921	B.Sc. (Madras) M.Sc. Chem. (Bom- bay)	Engaged in research work on problems in bacteriology, contributed papers on bacteriological action of chemicals and on microbiological assay of vitamin B <sub>12</sub> .	Pres.— Indian Dairy Research Institute, Bangalore 1. Perm.—Chowara, Distt. Trichur.	Asstt. in Dairy Bact.	R-G.
8474	Naqvi, Muayyeb Hussain.	1911	G.V.Sc. (Calcutta—'34) P.G. training. (Punjab—'42) Advance course in Animal Husbandry. (I.V.R.I., Izatnagar —'50)	7 years work in the veterinary line and 10 years in animal husbandry.	Pres.—Muzaifiarnagar. Perm.—Mohalla Guzri, P.O. Amroha, District Moradabad.	Distt. Livestock Officer.	STA-G.
8475	Narayanrao, K.V.	1912	Dip. of Bengal Vety. College. (Calcutta)	Specialized in animal genetics	Pres.— Veterinary Services, M.B., Indore. Perm.— Do.	Dy. Director.	STO-G.
8476	Nayer, Ethanoor Thuppala Padmanabhan. (Capt.)	1912	G.M.V.O. (Madras —'36)	Animal management & meat inspection.	Pres.— Military Farm, Secunderabad Perm.—P.O. Ethanoor, Palghat, Malabar.	Vety. Officer.	STO-G.
8477	Panchbhuiya, Daya Ram.	1926	G.B.V.O. (Bihar—'50)	Engaged in sheep breeding & artificial insemination work.	Pres.— Sheep Breeding Research Station, Pipalkoti, Distt. Garhwal. Perm.—Vill. Pali, P.O. Ranakote, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8478	Pande, Ghansham Datt.	1915	G.B.V.O. (Bihar—'39) Assoc. I.D.R.I. (Ban- galore—'48)	Management of livestock and agricultural farms including poultry, cattle breeding and cultivation of fodder & grain crops	Pres.—Mechanised State Farm, Manibha, P.O. Lakhimpur-Kheri Perm.—Mowana, District Meerut.	Supdt.	STO-G.
8479	Pandey, Ram Yash.	1917	G.B.V.C. (Bihar—'40)	Since 1940 working in the veterinary line including management of goshalas and cattle breeding.	Pres.— Veterinary Dispensary, P.O. Rusera, Darbhanga. Perm.—Vill. Kishunpura, P.O. Ramgarh, Distt. Shahabad.	Vety. Asstt. Surgeon.	STO-G.
8480	Pandita, J.L.		B.A. [Hons. (Punjab —'37) L.V.P. (Punjab—'41)]	12 years experience in veterinary line including 2 years in cattle breeding.	Pres.— Reasi, Jammu, Kashmir. Perm.— Vill. Kalusa, P.O. Bandipur, Kashmir.	Vety. Asstt. Surgeon.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8481	Panikkar, Thankappa Panikkar Krishna.	1907	G.B.V.C. (Bengal-'38)	16 years experience in veterinary medicine.	Pres.—Pilibhit, U.P. Perm.— Varanappally House, Puttuppally, P.O. Kayamkulam, Travancore.	Distt. Vety. Inspector.	STO-G.
8482	Panthaky, Tehmurasp Jamasji.			For particulars, refer to S. No. ST. 7927 on page 986.			
8483	Patankar, Krishna Parshuram.	1914	G.B.V.C. (Bombay —'40) P.G. training in Ani- mal Husbandry. (I.V.R.I.—'48)	Worked for 4 years in the veterinary line and 9 years in animal hus- bandry.	Pres.—Veterinary & Ani- mal Husbandry Services, M.B. Govt., Gwalior, Perm.— House No. 34, Lodhi Mohalla, Top- khana, Indore City	Asstt. Director.	STO-G.
8484	Patel, Jashbhai Ranchhodhbhai	1921	B.Sc. Agri. Hons. (Bombay—'43)	General management of animal breeding and teaching animal hus- bandry & dairying.	Pres.—Institute of Agri- culture, Anand, Distt. Kaira. Perm.— Ramji Mandir, Karansad, Distt. Kaira.	Lecturer in Animal Hus- bandry and Dairying.	T-G.
8485	Pathak, Pratap Chan- dra.	1930	Dip. in Vety Science. (Patna)	Doing livestock improve- ment work.	Pres.— Pilot Extension Project, Rangia, Assam. Perm.— Vill Patborsi, P.O. Barpeta, District Kamrup, Assam.	Extension Officer.	STO-G.
8486	Pberwani, Menghraj Shewaram.	1909	B.Ag. (Bombay—'33) Assoc. I.D.R.I. (Ban- galore—'48)	Over 14 years work in agriculture and live- stock development.	Pres.—Indian Dairy Re- search Institute, Ban- galore 1. Perm.— Do.	Tech. Asstt.	STO-G.
8487	Prabhu, Sridhar	1914	B.Sc. (Bombay—'35) Ph.D. Animal Gene- tistics. (Edinburgh—'39)	Worked for 5 years in teaching and 3 years in animal husbandry sta- tistics. Since 1947 conducting research in artificial insemination, published papers on fundamental & applied genetics.	Pres.—Indian Veterinary Research Institute, Izat- nagar. Perm.— Bastval, South Kanara.	Research Officer	R-G
8488	Prasad, Bimala Nand.	1929	I.D.D. (Bangalore)	...	Pres.—Stockmen Train- ing Centre, Darbhanga. Perm.— C/o K.B. Lal, Harmu Road, Ranchi, Bihar.	Asstt. Instruc- tor.	T-G.
8489	Prasad, Braj Mohan.	1909	G.V.Sc. (Calcutta—'30)	11 years work in the veterinary line and 5 years in poultry hus- bandry & poultry diseas- es, published papers.	Pres.—Patna. Perm.— P.O. Mirzaganj, Distt. Hazaribagh.	Poultry Deve- lopment Offi- cer.	STO-G.
8490	Prasad, Jadubans.	1928	Dip. in Vety. Science. (Patna—'49)	Engaged in livestock improvement work.	Pres.—Gaya. Perm.—Vill. Awashi, P.O. Mednipur, Distt. Shah- abad.	Livestock Inspector.	STO-G.
8491	Prasad, Ram Baran.	1919	G.V.Sc. (1940) M.Sc. Animal Hus- bandry. (1949) Ph.D. Animal Breed- ing. (1951)	Worked for 4 years in teaching and 3 years in research work on ani- mal husbandry.	Pres.—Animal Husban- dry Dept., Bihar, Patna.	Livestock Offi- cer.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8492	Prasad, Mangal. Shiva	1917	G.B.V.C. (Bihar)	For 12 years did veterinary hospital work. Now doing animal breeding by artificial insemination method.	Pres.—Animal Insemination Centre, Oral, Distt. Jalaun, U.P. Perm.—Vill. & P.O. Paro, Distt Muzaffarpur, Bihar.	Officer In-charge.	STO-G.
8493	Qadir Buksh.	1914	Dip. in Vety. Science & Animal Husbandry. (Calcutta)	18 years experience in veterinary and animal husbandry work.	Pres.—Key Village cum Artificial Insemination Centre, Bakhshi Ka Talab, Lucknow. Perm.—Mohalla Watt Ganj, Hardoi, U.P.	Officer In-charge.	STO-G.
8494	Raghuvanshi, Ranbir Singh	1923	G.B.V.C (Bihar) Training in Artificial Insemination. (Mathura)	Epidemic control, treatment of animals and cattle development including artificial insemination work.	Pres.—Key Village Scheme, Artificial Insemination Centre, Mechanised State Farm, Nilgaon, Distt. Sitapur. Perm.—C/o Th. Aidal Singh, Vill. Silehta, P.O. Narauli, District Moradabad.	Officer In-charge.	STO-G.
8495	Rai, Mit Singh. (Major)	1911	L.V.P. (Punjab) B.V.Sc. (Punjab)	16 years work in the veterinary line and 5 years in equine breeding operations.	Pres.— Horse & Mule Breeding Area, RVFC, Babugarh, District Meerut. Perm.—Vill. & P.O. Manak Rai, District Jullundur.	Distt. Remount Officer.	STO-G.
8496	Rai, Shiva Nand.	1929	B.V.Sc. & A.H. (Agra —'52)	...	Pres.— I/c Civil Vety. Hospital, Sardhana, Distt Meerut. Perm.—Vill. Tandwa Shri Ram, P.O. Unohgaon, Distt. Gorakhpur.	Vety. Asstt. Surgeon.	STO-G.
8497	Ram Autar Singh.	1923	G.B.V.C (Bihar-'46)	8 years service in the veterinary line including cattle & poultry breeding.	Pres.—P.O. Baiti, Distt. Pratapgarh, U.P. Perm.—Vill. Sarani, P.O. Koth, District Ballia.	Vety. Asstt. Surgeon.	STO-G.
8498	Rao, Chalasani Venkateswara.	1918	G.M.V.C. (Madras —'42) B.V.Sc. (Madras —'43) P.G. training in Animal Husbandry. (I.V.R.I., Izatnagar —'47) M.Sc. (Madras —'48)	9 years experience in teaching & research work connected with animal husbandry & animal nutrition. Published papers on biochemical & physiological studies on blood of buffaloes.	Pres.— Veterinary College, Osmania University, Jamia Osmania, Hyderabad. Perm.— Do.	Lecturer in Animal Husbandry.	TR-SG.
8499	Rao, M.R. Laxman. (Capt.)	1914	G.B.V.C. (Bombay —'39) P.G. training. (Mukteswar—'46) Assoc. I.D.R.I. (Bangalore—'47)	Worked as I/c of Gwalior palace stud, stables and dairy. Now doing animal treatment & inspection work.	Pres.—Sardarpur, Madhya Bharat. Perm.— 1069, Chamraj Agrahar, Mysore.	Distt. Veterinary Officer.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8500	Rawat, Guman Singh.	1914	G.V.Sc. (Calcutta-'38)	Engaged in artificial insemination work, control of epidemics, castration of bulls & breeding.	Pres.—Key Village Centre, B.H.U., Banaras. Perm.—Vill. Bhaunrad Patti Sabli, P.O. Saindhari, Distt. Garhwal.	Officer In-charge.	STO-G.
8501	Rawat, Ram Singh.	1919	Dip. in Vety. Science. (Patna—'44)	9 years animal husbandry & veterinary work.	Pres.— Tehri, District Garhwal. Perm.—Animal Husbandry Department, U.P., Lucknow.	Vety. Asstt. Surgeon.	STO-G.
8502	Ray, Timir Kumar.	1928	G.V.Sc. (Calcutta-'50) Artificial Insemination & Cattle Breeding Course. (Mathura)	Engaged in treatment of animals and animal breeding by artificial means.	Pres.— Key Village & Artificial Insemination Centre, Mechanised State Farm, Barabanki. Perm.—U/o Abani Kanta Ray, Pleader, P.O. Krishnagar, W. Bengal.	Vety. Asstt. Surgeon.	STO-G.
8503	Rizvi, Sayyid Abrar Hasan.	1919	G.B.V.C. (Bihar-'44)	9 years service in U.P. Animal Husbandry Dept. Experience in sheep breeding & wool analysis	Pres.— Civil Vety. Hospital, Khaga, Distt. Fatehpur. Perm.— Nami Manzil, Balrampur, District Gouda.	Vety. Asstt. Surgeon.	STO-G.
8504	Sabzwari, Manzurul Haque.	1919	Dip. in Vety. Science. (Patna)	Since 1942 service in U.P. Animal Husbandry Dept. Experience in artificial insemination work.	Pres.—Artificial Insemination Centre, Madhuri Kund Farm, P.O. Aring, Mathura. Perm.— C/o Mr. Mohd. Hashim, Mohalla Kundanpura, Muzaffarnagar.	Officer In-charge.	STO-G.
8505	Saha, Suryya Kanta.	1922	B.Sc. (Calcutta—'45) G.V.Sc. (Calcutta—'49)	Engaged in research in cattle breeding and artificial insemination.	Pres.— Genetics Section, Livestock Research Station, Mathura. Perm.—P-39, Babubagan Lane, Calcutta 31.	Jr. Research Assistant.	R-G.
8506	Sahay, Ramanand.	1930	I.D.D. (1952)	...	Pres.—Patna City. Perm.—C/o Jagdishwar Prasad, Vill & P.O. Nimaz Pachchimtola, District Shahabad.	Goshala Manager.	STO-P.
8507	Samyal, Hoshiar Singh.	1913	L.V.P. (Punjab—'42) Short course in Dairying. (I.D.R.I., Bangalore—'59)	10 years service in Kashmir Veterinary Dept.	Pres.— Veterinary Dispensary, Ranbir Singh-pura, Jammu. Perm.— Vill. Samba Mandi, Kehli, P.O. Samba, Distt. Jammu.	Vety. Asstt. Surgeon.	STO-G.
8508	Sangwan, Amar Singh. (Lt.)	1923	B.Sc. Agri. (Punjab —'44) M.Sc. Agri. spl. Dairy Bacteriology. (Punjab—'46)	Engaged in work associated with military farms.	Pres.— R.V.F. Branch, H.Q. Eastern Command, Ranchi. Perm.—Vill. Bhera, P.O. Barawwa, Distt. Hissar.	Farm Officer.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8509	Sawhney, P.C.	1920	B.Sc. Hons. (Punjab—'44) M.Sc. (Punjab—'45) Ph.D. (Punjab—'51) Specialized training in Animal Nutrition. Advanced course in Animal Husbandry. (I.V.R.I., Izatnagar)	Teaching poultry husbandry to postgraduate students and conducting research & biochemical analysis of poultry feeds, published papers on animal nutrition.	Pres.—Indian Veterinary Research Institute, Izatnagar. Perm.— Do.	Asstt. Research Officer.	TR-G.
8510	Saxena, Jagdish Saran.	1916	B.Sc. (Lucknow—'37) G.B.V.C (Bihar—'42)	Engaged in research on problems associated with animal nutrition, publications on feeding value of sugarcane tops.	Pres.— Bharari Farm, Jhansi. Perm.— Vill. & P.O. Kariamchi, District Budsein.	Research Asstt.	R-G.
8511	Saxena, Kirpalu Ram.	1914	B.Sc. (Alligarh—'37) G.V.S. (Calcutta—'40) Training in Artificial Insemination. (Mathura)	Artificial insemination and animal husbandry work.	Pres.—Artificial Insemination Centre, Mechanized State Farm, Bharari, Jhansi. Perm.— C/o Babu Ram, Kutcheri Road, Shahjahanpur.	Research Asstt.	STO-G.
8512	Sayal, Narendra Nath. (Capt.)	1920	L.V.P. (Punjab)	11 years experience of animal husbandry, meat inspection and veterinary medicine & surgery.	Pres.—Branch Veterinary Hospital, Shillong. Perm.— Patti Mansoor, Vill. & P.O. Sultanwind, Distt. Amritsar.	Officer In-charge.	STO-G.
8513	Shah, Harsh Bahadur.	1904	M.Sc. (Allahabad) M.R.C.V.S. (London) D.T.V.M. (Edinburgh)	Since 1933 worked in various administrative capacities. Experience in problems connected with animal husbandry development, published articles in connection with pig, sheep and horses.	Pres.—Lucknow. Perm.— Do.	Animal Husbandry Commissioner. (U.P.)	STA-G.
8514	Sharfuddin Ahmed.	1924	G.B.V.C. (Bihar—'46)	Management, treatment and breeding of livestock.	Pres.—Govt. Cattle Farm, P.O. Bihar Veterinary College, Patna. Perm.— Vill. Sonsihari, P.O. Orhanpore, Distt. Gaya.	Vety. Asstt. Surgeon.	STO-G.
8515	Sharma, Gian Chand.	1912	L.V.P. (Punjab—'35)	Veterinary aid to equines & bovines, milk and meat inspection and animal husbandry work.	Pres.— Military Farm, Meerut. Perm.—Vill. & P.O. Baba Halli, Distt. Gurdaspur.	Veterinary Officer.	STO-G.
8516	Sharma, Jai Bhagwan.	1927	G.B.V.C. (Bihar—'48)	Engaged in veterinary and artificial insemination work.	Pres.— State Veterinary Hospital, P.O. Auraiya, Distt. Etawah. Perm.— Vill. & P.O. Kishenpur Baral, Distt. Meerut.	Vety. Asstt. Surgeon.	STO-G.
8517	Sharma, Jai Narain.	1929	I.D.D. (Bangalore—'51)	...	Pres.— C/o Sri Rajendra Gokal Bhita, Near Kalu Ram Temple, New Mandi, Muzaffarnagar, U.P.	Goshala Manager.	STO-P.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8518	Sharma, Ram Chandra.	1915	G.B.V.O. (Bihar)	12 years of veterinary & animal husbandry work.	Pres.— Veterinary Hospital, Unnao, U.P. Perm.— House No. 404, Phuta Kuan, Budhana Gate, Meerut City.	Vety. Asstt. Surgeon.	STO-G.
8519	Sharma, Ram Lal.	1919	G.V.Sc. (Calcutta)	10 years work in cattle breeding and treatment of animals.	Pres.—Civil Veterinary Hospital, Deoband, Distt. Saharanpur. Perm.— Vill. Arnaoli, P.O. Bohla, District Meerut.	Vety. Asstt. Surgeon.	STO-G.
8520	Sharma, Sahdev Rai.	1913	G.B.V.O. (Bihar—'34)	18 years of military service, experience in breeding of horses & mules.	Pres.—C/o Horse & Mule Breeding Area, P.O. Babugarh, District Meerut. Perm.— Vill. Barka Nuason, P.O. Buxar, Bihar.	Vety. Inspector.	STO-G.
8521	Sharma, Ved Vrata.	1930	B.Sc. Agril. (Agra-'49) M.Sc. Agril. (Agra-'51)	Since 1950 teaching animal husbandry and dairying to degree classes.	Pres.—M.B. College of Agriculture, Gwalior. Perm.—C/o Y.D. Sharma, Vill. & P.O. Raja Ki Garhi, Distt. Mathura.	Sr. Lecturer.	T-G.
8522	Sidhu, Dharam Singh.	1911	B.Sc. Agril. (Punjab —'31)	Over 18 years experience in dairying, cattle management and crop production.	Pres.—R.V.F.C. Centre & School, Farms Wing, Meerut Cantt. Perm.— Vill. Chhajoo Majra, P.O. Kharar, Distt. Ambala.	Supervisor.	STO-G.
8523	Sindgi, Bhimappa Hemadreppa.	1920	B.Sc. Agril. Hons. (Bombay—'44)	Teaching animal husbandry and dairying besides management of livestock.	Pres.—College of Agriculture, Dharwar. Perm.— P.O. Ukkali, Distt. Bijapur.	Lecturer in Animal Husbandry and Dairying.	T-G.
8524	Singh, Bhawaneshwar.	1917	B.Sc. (Banaras—'38) L.V.P. (Punjab—'48)	Cattle breeding & artificial insemination work and control of contagious diseases.	Pres.—Key Farm Centre, Balti, Distt. Pratapgarh. Perm.—Vill. Reosa, P.O. Keshopur, Distt. Banaras.	Vety. Officer.	STO-G.
8525	Singh, Bishun Deo.	1923	B.Sc. Agril. (Patna—'49)	Livestock improvement work.	Pres.—Gaya. Perm.—Vill. Motihari, P.O. Badaipura, Monghyr.	Distt. Livestock Officer.	STO-G.
8526	Singh, Braj Raj.	1923	G.B.V.O. (Bihar—'46)	7 years work in treatment & control of livestock diseases and breeding of cattle.	Pres.—Civil Vety. Hospital, Safipur, Distt. Unnao. Perm.—Vill. Samri-Khankote, P.O. Hira, Distt. Basti, U.P.	Vety. Asstt. Surgeon.	STO-G.
8527	Singh, Munishankar.	1930	B.Sc. Agril. (Banaras —'52)	Engaged in sheep husbandry work.	Pres.—Central Sheep & Goat Breeding Farm, P.O. Bodh Gaya, Distt. Gaya. Perm.—Vill. & P.O. Arjoun, Distt. Shahabad.	Farm Overseer.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8528	Singh, Parashuram.	1923	G.B.V.O. (Bihar—'46)	Engaged in animal husbandry & veterinary work.	Pres.— Vety. Hospital, Ballia. Perm.—Vill. Kadirabad, P.O. Kamalpur, Distt. Banaras.	Vety. Asstt. Surgeon.	STO-G.
8529	Singh, R.B.	1911	B.Sc. Agri. (Agra) M.Sc. Agri. (Banaras)	Guiding research and teaching animal breeding to B.V.Sc. students, published papers on agronomy, genetics & animal breeding.	Pres.— U.P. College of Vety. Science & Animal Husbandry, Mathura. Perm.—Vill. Bhaura, P.O. Kerakat, Distt. Jaunpur.	Animal Geneticist.	TR-G.
8530	Singh, R.D.	1906	Dip. in Vety. Science. (Calcutta—'29)	24 years experience in development & breeding of cattle & poultry and their treatment.	Pres.—Gonda. Perm.—Vill. Moke, P.O. Kouch, Distt. Gaya.	Distt. Livestock Officer.	STO-G.
8531	Singh, Rajendra Prasad.	1906	G.B.V.O. (Bengal—'30) Assoc.I.D.R.I. (Bangalore—'46)	21 years experience in cattle breeding, dairy-ing, dairy husbandry and treatment of animal diseases.	Pres.—Hariana Cattle Breeding Farm, Dumraon. Perm.—Gogol Jamsipur, P.O. Mushkilpur, Monghyr.	Supdt.	STO-G.
8532	Singh, Raj Nath.	1917	B.Sc. Agri. (Agra—'38) M.Sc. Agri. Botany. (Banaras—'41) Ph.D. Dairying & Dairy Husbandry. (Iowa, U.S.A.—'48)	From 1939-49 worked as Professor & Head of the Department of Agriculture at B.R. College Agra, from 1949 to-date teaching & guiding research in dairying & farm management to B.V.Sc. students and managing a big livestock farm.	Pres.—U.P. College of Veterinary Science & Animal Husbandry, Mathura. Perm.—Vill. Sona, P.O. Shringarpur, District Ghazipur.	Farm Manager cum Lecturer in Dairying.	TR-G.
8533	Singh, Ram Balak.	1911	G.B.V.O. (Bihar—'31)	21 years experience in breeding & management of animals including poultry and in propaganda work in animal husbandry.	Pres.—Stockmen Training Centre, Darbhanga, Bihar. Perm.—Vill. Sarai Bux, P.O. Garkha, District Saran.	Chief Instructor.	T-G.
8534	Singh, Ram Sunder.	1930	B.Sc. Agri. (Agra—'50) P.G. in Advanced Animal Husbandry.	Engaged in livestock improvement work.	Pres.—Hazaribagh, Bihar. Perm.—Vill. & P.O. Chaud, Distt. Shahabad, Bihar.	Livestock Inspector.	STO-G.
8535	Singh, Ravi Raj.	1916	G.B.V.O. (Bihar—'42) Training in Artificial Insemination. (Mathura—'61)	Artificial insemination and veterinary work.	Pres.—Veterinary Hospital, Rae Bareli. Perm.—Vill. & P.O. Fatehpur Chaurasi, Distt. Unnao.	Vety. Asstt. Surgeon.	STO-G.
8536	Singh, Shiva Baran.	1924	G.B.V.O. (Bihar—'47)	6 years experience in treatment of animals, control of contagious diseases and animal breeding.	Pres.—Civil Veterinary Hospital, Khair, Distt. Aligarh. Perm.—Vill. Chavroli, P.O. Thorah, District Bulandshahr.	Vety. Asstt. Surgeon.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8587	Singh, Sukh Bir.	1919	G.B.V.O. (Bihar-'49)	Cattle breeding, poultry development, treatment of animals and control of contagious diseases.	Pres.—Distt. Vety. Hospital, Muzaffarnagar. Perm.—Vill. Sujra, P.O. Agrawala Mandi, Distt. Meerut.	Vety. Asstt. Surgeon.	STO-G.
8588	Singh, Udal Narain.	1926	G.B.V.O. (Bihar-'50) Training in Artificial Insemination. (Mathura)	Artificial insemination and animal breeding work.	Pres.— Key Village Schemes, Mech. State Farm, Aratalines, Banaras. Perm.—Vill. Siktha, P.O. Dheena, Distt. Banaras.	Vety. Asstt. Surgeon.	STO-G.
8589	Sinha, Bankey.	1922	I.D.D. (1952)	...	Pres.— Darbhanga Goshala Society, Darbhanga. Perm.—Vill. Paigambar Pur, P.O. Siwan, Distt. Saran.	Manager.	STO-P.
8540	Sinha, Chaturbhuj.	1926	I.D.D. (Bangalore)	Animal breeding work.	Pres.— Hariana Cattle Breeding Farm, Dumraon, Shahabad, Bihar. Perm.— Vill. Khalpura, P.O. Gultanganj, Distt. Saran.	Dairy Overseer.	STO-G.
8541	Sinha, Madan Gopal.	1913	G.B.V.C. (Bihar-'38) Training in Artificial Insemination. (Mathura)	12 years experience in the veterinary line.	Pres.—Unnao, U.P Perm.—Vill. & P.O. Anai, Distt. Banaras	Distt. Livestock Officer.	STO-G.
8542	Sinha, R.P.	1909	G.B.V.O. (Bengal-'30)	Since 1930 doing animal husbandry and veterinary work.	Pres.—Nainital. Perm.—Vill. Madarpur, P.O. Jat Dumri, Distt. Patna.	Distt. Livestock Officer.	STO-G.
8543	Sinha, Ram Bilas Prasad.	1925	G.B.V.O. (Bihar-'44)	Since 1944 engaged in animal husbandry and general veterinary work	Pres.— Dhaka, Champaran, Bihar. Perm.—Vill. & P.O. Barharwa, Lakhansen, Champaran, Bihar.	Vety. Asstt. Surgeon.	STO-G.
8544	Sinha, Shatrughna Prasad.	1925	G.B.V.O. (Bihar-'49)	Cattle breeding & management and disease control.	Pres.— Maner Telpa, P.O. Bikaram, Distt. Patna. Perm.— Vill. Guljana, P.O. Ark-Dhibariya, Distt. Gaya.	Livestock Inspector.	STO-G.
8545	Sinha, Yunas Roop.	1913	G.B.V.O. (Bihar) P.G. refresher course. (I.V.R.I., Mukteswar) Pig Farming training. (Allahabad)	For 12 years worked in animal breeding, control of epidemics, dairying and meat inspection. For the last 8 years working in the manufacture of biologicals.	Pres.— Biological Products Section, A.H. Dept., Badshah Bagh, Lucknow. Perm.— M.E. Mission, P.O. Dwarahat, Distt. Almora.	Vety. Inspector.	STO-G.
8546	Siroar, Monoranjan.	1919	Dip. in Vety. Science. (Calcutta—'37)	Experience in horse breeding.	Pres.— Govt. Stallion Depot, Moradabad. Perm.— C/o Director, Animal Husbandry, Lucknow.	Vety. Inspector.	STO-G.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8547	Sivasubramanian, Venkatraman.	1910	G.M.V.C. (Madras —'36) Assoc.I.D.R.I. (Ban- galore—'38) P.G. in Vety. Science. (I.V.R.I.—'43) Advanced course in Animal Husbandry. (I.V.B.I.—'45) Artificial Insemina- tion course, (I.V.R.I. —'46)	Organization of veteri- nary institutions and cattle breeding & dairy farms besides teaching of animal husbandry to agricultural students. Published papers on comparative studies of composition of colos- trum of dairy cows & buffaloes and secretions obtained from a cow before & after calving.	Pres.— Madhya Bharat College of Agriculture, Gwalior. Perm.— No. 2, Single Methi Street, P.O. Tiru- vayaru, Distt. Tanjore, Madras.	Asstt. Prof. of Animal Hus- bandry and Vety. Science.	T-G.
8548	Soni, Balj Nath.	1906	B.Sc. (Panjab—'26) B.Sc. Agri. (Edin- burgh—'30)	17 years research work on the subject of bio- logical factors affecting hides & skins, published several papers on the same.	Pres.—Indian Veterinary Research Institute, Izatnagar, Bareilly. Perm.—Sunny Villa, P.O. Clement Town, Dehra Dun.	Research Offi- cer.	R-G.
8549	Srivastava, Behari.	Brij	... B.Sc. Agri. (Allahabad —'49)	Experience in standard methods of analysis of milk and milk products.	Pres.—O/o Kunj Behari Srivastava, Judge, Small Causes Court, Allahabad. Perm.—C/o Oudh Behari Lal, Vakil, Kasla, Distt. Deoria, U.P.	...	Un.
8550	Srivastava, Hari Har Prasad.	1918	Dip. in Vety. Science. (Patna—'42) Advanced Course in Artificial Insemi- nation, (I.V.R.I., Izatnagar)	Experience in artificial insemination, disease control and cattle breed- ing & management.	Pres.—Artificial Insemi- nation Centre, Govt. Bhadruk Dairy Farm, Lucknow. Perm.— Vill. & P.O. Skandarpur, District Ballia.	Vety. Officer.	STO-G.
8551	Suresh Singh.	1929	G.B.V.C. (Bihar)	...	Pres.— All India Key Vill. Scheme, Bachaur Cattle Breeding Farm, Pusa, Bihar. Perm.— C/o Nanhu Singh, Vill. Farahada, P.O. Sinha, District Shahabad, Bihar.	Artificial Inse- mination Inspector.	STO-G.
8552	Syed, Aliaz Hussain Zaidi.	1919	G.B.V.C. (Bihar—'40)	18 years in animal hus- bandry work.	Pres.—Veterinary Hos- pital, P.O. Jalesar Town, Distt. Etah. Perm.—Moballa Abupura, Pachdara Sadat, Muzaf- farnagar.	Vety. Asstt. Surgeon.	STO-G.
8553	Syed, Sadaqut Hussain.	1919	G.B.V.C. (Bihar—'35)	Experience in meat ins- pection and treatment of animals.	Pres.— P.O. Dinapore Ganj, Patna. Perm.—Vill. Firozi, P.O. Kako, Distt. Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
8554	Thakur, Bhim Singh.	1924	L.V.P. (Punjab)	For 4 years worked in the veterinary line.	Pres.—8/5 G.R., C/o New Delhi 56 A.P.O. Perm.—58, Trg. Centre, Dehra Dun.	Adjutant.	Ucl.

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8555	Thapar, Anand Sarup (Capt.)	1918	L.V.P. (Punjab-'41) B.V.Sc. (Punjab-'52) Meat Inspection Course. (Calcutta —'45) Fish Inspection Course. (Bombay-'51)	4 years work in military farms, experience in improvement and treat- ment of livestock.	Pres.— C/o D.A.D., R.V. & F., 19 Div., C/o New Delhi 56 A.P.O. Perm.—C/o Imperial Bank of India, Ambala Cantt.	Vety. Officer.	STO-G.
8556	Thapliyal, Ramesh Prasad.	1925	G.V.Sc. (Calcutta-'48)	Since 1948 engaged in treatment and breeding of cattle & poultry.	Pres.— Civil Vety. Hos- pital, Chakrata, Dehra Dun. Perm.— 24, Patel Road, Dehra Dun.	Vety. Asstt. Surgeon.	STO-G.
8557	Tiwari, Nath. Mathura	1919	B.Sc. Agric. (Agra-'48)	5 years in livestock improvement work.	Pres.— Sheep & Goat Breeding Farm, Tikuna, P.O. Bodh Gaya, Distt. Gaya. Perm.— Vill. & P.O Kesath, Distt. Shah- abad, Bihar.	Farm Manager.	STO-G.
8558	Tomar, Dalel Singh.	1914	G.B.V.C. (Bihar—'41)	12 years work in animal husbandry, veterinary line and purchase of cattle.	Pres.—Key Village Cen- tre, Veterinary Hos- pital, Sitapur. Perm.— Vill. & P.O. Barauli, Distt. Meerut.	Officer In- charge.	STO-G.
8559	Trilochan Singh.	1921	L.V.P. (Punjab)	Veterinary work concern- ing military dairy farms, poultry farm, meat inspection and prevention & control of contagious diseases in animals.	Pres.—I/c Military Farm, Agra Cantt. Perm.— C/o Kochars Medical Hall, Patel Road, Ambala City.	Vety. Asstt. Surgeon.	STO-G.
8560	Tripathi, Chandra. Purani	1917	B.Sc. (Lucknow-'38) G.B.V.C. (Bihar—'41) P.G. in Vety. Medi- cine, (Punjab—'49) P.G. in Applied Gene- tics. (Adelaide, S. Australia)	9 years experience in the veterinary line, 3 years in sheep & goat breed- ing and wool improve- ment work.	Pres.— Sheep Breeding Research Station, Pipal- kot, Garhwal. Perm.—Vill. Dairi, P.O. Dwarahat, District Almora.	Officer In- charge.	STO-G.
8561	Trivedi, Bindu Pra- shad.	1910	G.B.V.C. (Bengal-'32)	21 years in veterinary and animal husbandry work.	Pres.—Gorakhpur. Perm.—C/o Shyam Sun- der Trivedi, Sunder Niwas, Techi Bazar, Faizabad.	Distt. Livestock Officer.	STO-G.
8562	Tulsi, Shiv Charanjit Singh. (Capt.)	1920	L.V.P. (Punjab—'42) Trained in the diseas- es of poultry. (I.V.R.I., Izatnagar)	For the last 9 years serving in the army, experience in the diseas- es of poultry.	Pres.—I/c Military Farm, Pimpri. Perm.—No. 2, Sultanpur Road, Kapurthala.	Vety. Officer.	STO-G.
8563	Varma, Bhuvanesh- war Prasad.	1915	G.B.V.C. (Bihar—'41) Artificial Insemina- tion training. (Mathura)	(i) Livestock breeding & rearing and control of contagious diseases (ii) processing & manufac- ture of piggery products, canning of meat & its marketing.	Pres.— U.P. Govt. Cen- tral Dairy Farm, Ali- garh, U.P. Perm.—Vill. Bhaluhipur, P.O. Arrah, District Shahabad.	Officer In- charge	STO-G

## ANIMAL HUSBANDRY &amp; DAIRYING—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8564	Ved Parkash, (Capt.)	1905	L.V.P. (Punjab)	18 years service in O.V.D. Punjab and 9 years in the I.A.V.O., experience in dairy farming.	Pres.— Military Farm, Jullundur Cantt.	Vety. Officer.	STO-G.
8565	Venkatesan, Iyer Srinivasanellore Subramanya.	1910	G.M.V.C. (Madras —'35)	16 years service in the Civil Veterinary Dept., Madhya Pradesh; now engaged in teaching animal husbandry and veterinary science.	Pres.— Veterinary College, Jabalpur. Perm.— Do.	Vety. Asstt. Surgeon.	STO-G.
8566	Venkatraman, C.N.	1926	B.Sc. Agril. (1950)	Engaged in dairying.	Poes.—Agricultural College Estate, P.O. Lawley Road, Coimbatore. Perm.— 9, Venkatrao Road, Salem Town.	Addl. Dairy Manager.	STO-G.
8567	Verma, Prem Nath.	1920	G.B.V.C. (Bihar-'39) Training in Artificial Insemination Tech- nique. (Mathura)	14 years work in animal husbandry & veterinary line.	Pres.—Civil Veterinary Hospital, Mahoba, Hamirpur. Perm.—O/o B. Chhotey Lal, Mohalla Shah Kamer, New City, Etawah.	Vety. Asstt. Surgeon.	STO-G.
8568	Yudhishtha Lal.	1914	G.B.V.C. (Bihar-'39)	For the last 15 years engaged in breeding of horses & mules in the army.	Pres.— Govt. Stallions Stand, Bulandshahr. Perm.— 2003, Begum Ganj, Makra, Faizabad.	Vety. Asstt. Surgeon.	STO-G.

# VETERINARY SCIENCE

S.No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8569	Abbas, Mohammad Junaid.	1898	G.V.Sc. (Punjab)	26 years work in the veterinary line.	Pres.— I/o Civil Veterinary Hospital, Nanpara, Distt. Bahraich, Perm.—Zafarabad, Distt. Jaunpur.	Vety. Asstt. Surgeon.	STO-G.
8570	Abdul Majeed.	1929	G.B.V.C. (Bihar)	...	Pres.—Vety. Dispensary, Gaya, Perm.—Vill. & P.O. Maner Sharif, Distt. Patna.	Touring Vety. Asstt. Surgeon.	STO-G.
8571	Abdur Razzaque.	1912	G.B.V.C. (Bihar-'38)	Over 15 years experience in veterinary medicine & surgery.	Pres.—P.O. Bagha, Distt. Champaran, Perm.—Vill. & P.O. Shiripur, via Sugauli, Distt. Champaran.	Vety. Asstt. Surgeon.	STO-G.
8572	Adinarayanan N.	1928	B.V.Sc. (Madras-'51) P.G. training in Artificial Insemination. (I.V.R.I.)	...	Pres.— Path. & Bact. Division, I.V.R.I., Mukteswar, Perm.—C/o Sri A. Narasimhan, 45, Bly. Station Road, Salem, Madras State.	Research Asstt.	R-G.
8573	Ahmad Hussain.	1923	G.B.V.C. (Bihar-'48)	5 years service.	Pres.—I/o Vety. Hospital, Mahraj Ganj, Distt. Gorakhpur, Perm.—Vill. Belwa Karkhana, P.O. Fazil Nagar, Distt. Deoria.	Vety. Asstt. Surgeon.	STO-G.
8574	Ahmed, Md. Taki-uddin.	1913	G.V.Sc. (Calcutta-'37)	From 1937-48 worked in the Hyderabad Army Veterinary Service and 1948 to date engaged in teaching materia medica, pharmacology and therapeutics.	Pres.— Vety. College, Osmania University, Hyderabad, Perm.—F/9/48, Red Hills, Hyderabad.	Lecturer in Pharmacology.	T-G.
8575	Ahmed, Shah Aftab.	1921	B.Sc. Agrl. (Agra-'49) M.R.C.V.S. (U.K.)	...	Pres.—Muzaffarpur, Bihar, Perm—Shah Zubair Road, Monghyr.	Asstt. Director, Vety. Services.	STO-G.
8576	Aiyar, Haribara Ramaswami Kalpathi.	1894	G.M.V.C. (Madras-'19)	40 years professional experience especially in bovine medicine and surgery including 6 years teaching work.	Pres.— B.A. College of Agriculture, P.O. Agrl. Inst., Anand, Perm.—No. 6219, P.O. Regimental Bazar, Secunderabad.	Demonstrator in Vety. Sc.	T-G.
8577	Ajar Behari Lal.	1917	Dip. in Vety. Science. (Patna)	Since 1938 serving in the C.V.D.	Pres.— C.V.D., North Bihar Range, Muzaffarpur, Perm.—Vill. & P.O. Harihans, Distt. Saran.	Staff Vety. Asstt. Surgeon.	STO-G.
8578	Ajinkya, Sharad Chandra Malbar.	1925	B.Sc. Vety. Hons. (Bombay—'49)	Worked for 8½ years in the manufacture of biological vaccine products. At present teaching histology and doing histopathological diagnosis and postmortem examination.	Pres.— Bombay Vety. College, Bombay, Perm.—4, Gazdar Street, Bombay 2.	Lecturer.	T-G. STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8579	Alur, Krishnarao Raghawendra Rao.	1907	G.B.V.C. (Bombay —'30) P.G. in Vety. Science. (Mukteswar—'42) P.G. in Anatomy. (Madras—'45)	For 7 years worked as Vety. Asstt. Surgeon and since 1937 doing teaching work especially in anatomy and embryology, published general articles.	Pres.— Vety. College, Parel, Bombay. Perm.— Do.	Asstt. Prof. of Anatomy.	T-G.
8580	Amar Nath. (Capt.)	1919	L.V.P. (Punjab—'42)	10½ years service in the army as Veterinary Officer.	Pres.— Horse & Mule Breeding Area, Bahugarb, Distt. Meerut. Perm.— C/o L. Ladha Ram Chuni Lal, Bazar No. 4, Saddar Bazar, Ferozepore Cantt.	A.R.O.	STO-G.
8581	Anand, Manohar Lal.	1912	G.B.V.C. (Bombay —'32)	21 years professional experience in the veteri- nary medicine and surgery.	Pres.— Vety. Hospital, Jammu. Perm.— Pacc Danga, Jammu.	Vety. Officer.	STO-G.
8582	Anantaraman, Padur Yagnarama.	1909	G.M.V.C. (Madras —'31)	For 4 years served in the army.	Pres.— Waini, District Darbhanga. Perm.— 35, Agrahearam, Arantangi, District Tanjore.	Touring Vety. Asstt. Surgeon.	STO-G.
8583	Ansari, Zahir Ahmad.			For particulars, refer to S. No. ST. 8378 on page 987.			
8584	Anwari, Gulam Rasul.	1919	G.B.V.C. (Bombay —'40)	For 4 years worked in a cattle breeding farm and for the last 8 years working as Vety. Asstt. Surgeon.	Pres.— Leh, Ladakh. Perm.— Rainawari, Sri- nagar.	Vety. Asstt. Surgeon.	STO-G.
8585	Anwaruddin.	1902	G.P.V.C. (Punjab—'28)	Since 1928 serving in the civil veterinary department.	Pres.— Barabanki. Perm.— P.O. Hasanpur, Distt. Sultanpur.	Vety. Inspec- tor.	STO-G.
8586	Arora, Ratan Lal.			For particulars, refer to S. No. ST. 8379 on page 987.			
8587	Asthana, Dhananjai Prasad.	1923	G.B.V.C. (Bihar—'48)	Since 1948 serving in veterinary hospitals.	Pres.— I/o Vety. Hospital, Hata, District Deoria. Perm.— C/o B. Kamla Pd. Varma, Ghasikatra, Gorakhpur.	Vety. ' Asstt. Surgeon.	STO-G.
8588	Atwar Singh. (Capt.)	1911	L.V.P. (Punjab—'34)	For 7 years served in the Punjab O.V.D. in- cluding 2 years in the Punjab Vety. College.	Pres.— Gemga, Jaisalmer Risala, C/o New Delhi 66 A.P.O. Perm.— Vill. & P.O. Mehman Singhwala, Distt. Ludhiana.	Vety. Surgeon.	STO-G.
8589	Autar Singh.			For particulars, refer to S. No. ST. 8381 on page 987.			
8590	Awasthi, Hirdai Narain.	1924	G.B.V.C. (Bihar)	...	Pres.— Civil Vety. Hos- pital, Shahabad, Distt. Hardoi. Perm.— Mohalla Khat- rana, P.O. Bilgram, Distt. Hardoi.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks	
8591	Ayodhya Prasad.	1928	Dip. Bihar Vety. College. (1951)	Since 1951 service in Bihar Govt. Vety. Dept.	Pres.—Hazaribagh. Perm.— P.O. Daruara, Distt. Patna.	Touring Vety. Asstt. Surgeon.	STO-G.	
8592	Babbar, Sardar Lall.	1904	L.V.P. (Punjab—'81)	Since 1932 serving in the IAVC.	Pres — H.Q. Western Command, F. Block, New Delhi Perm.—C/o M/s Karam Chand & Sons, Wine & General Merchant, Saharanpur.	Staff Officer.	STO-G.	
8593	Badhwar, Srishti Raj. (Major)			For particulars, refer to S.No. ST. 8382 on page 997.				
8594	Badola, H.M.	1918	L.V.P. (Punjab)	Shoeing and surgery.	Pres.—Key Farm Block, A.I. Centre, Haldwani, Nainital. Perm.—Vill. Kanda, P.O. Soola, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.	
8595	Bahadur Singh.			For particulars, refer to S.No. ST. 8383 on page 997.				
8596	Bahuguna, Shrikant.	1912	G.B V.C. (Bihar)	For 14 years worked in the C.V.D. as Vety. Asstt. Surgeon.	Pres.—I/c Govt. Sheep Farm, Orai. Perm — Vill. Pokhari, Distt. Garhwal.	Farm Supdt.	STO-G.	
8597	Bakhla, Neal Lillian Rufus.	1925	G.V So. (Patna—'51)	...	Pres — Dhanwar, P.O. Rajdhawar, District Hazaribagh. Perm.—Vill. Gopipuri, P.O. Kuru, Distt. Ranchi	Touring Vety. Asstt. Surgeon.	STO-G.	
8598	Bakshi, B. (Capt.)	1919	L.V.P. (Punjab)	10 years service in the IAVC.	Pres.— No. 2, Command Vety Laboratory, Poona. Perm.— C/o Punjab National Bank Ltd., Poona Camp.	Vety Officer.	STO-G.	
8599	Bakshi, Raj Paul.	1907	G.B.V.C. (Bengal—'83)	For 7 years served in the army.	Pres.— Vety. Hospital, Khurja. Perm.— Do.	Vety. Asstt. Surgeon.	STO-G.	
8600	Bakshi, Som Nath.	1922	L.V.P. (Punjab)	For 4 years worked as Vety. Asstt. Surgeon. Since 1949 doing teaching & diagnostic investigation in pathology and bacteriology.	Pres.— U.P. College of Vety. Science & Animal Husbandry, Mathura. Perm.— Do.	Demonstrator.	T-G	
8601	Balyan, Qadam Singh.	1914	G.V.So. (Calcutta)	11 years service in veterinary hospitals.	Pres—I/c Vety. Hospital, Igla, Distt. Aligarh. Perm.— C/o Ch. Risal Singh, Vill. & P.O. Kutba, Distt. Muzaffarnagar.	Vety. Asstt. Surgeon.	STO-G.	
8602	Bande, Gulam Ahmad.	1918	G.B.V.C. (Bombay)	7 years experience of field work.	Pres.—Banihal, Kashmir. Perm.— Alocha Bagh, Near Silk Factory, Srinagar.	Vety. Asstt. Surgeon	STO-G.	

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8608	Banke Bihar Lal.	1916	G.B.V.C. (Bihar)	For 12 years worked as Vety. Asstt. Surgeon and 2 years as Vety. Inspector.	Pres.—Bulandshahr. Perm.—O/o B. Raghunandan Lal, Retd. Amin, Civil Court, Saharanpur.	Vety. Inspector.	STO-G.
8604	Bans, Bachan Singh.	1911	G.V.Sc. (Calcutta)	19 years in U.P. Govt. service.	Pres.—I/o Vety. Hospital, Shikohabad, District Maizpuri. Perm.—C/o Animal Husbandry Dept., U.P., Lucknow.	Vety. Medical Officer.	STO-G.
8605	Bara, George.	1928	G.B.V.C. (Bihar - '49)	...	Pres.—Vety. Dispensary, P.O. Lohardaga, Distt. Ranchi. Perm.— Vill. Somtali, P.O. Simdega, Distt. Ranchi.	Touring Vety. Asstt. Surgeon.	STO-G.
8606	Barthwal, Govind Prasad.			For particulars, refer to S. No. ST. 8987 on page 988.			
8607	Basudeo Narayan.	1903	G.B.V.C. (Bengal-'21)	25 years service in the veterinary line.	Pres.—P.O. Tebhil Fatehpur, Distt. Barabanki. Perm.—Vill. Gamharia, P.O. Nabinaagar, Distt. Gaya, Bihar.	Vety. Asstt. Surgeon.	STO-G.
8608	Basudeo Narayan.	1918	G.B.V.C. (Bihar - '40)	Since 1940 serving in the veterinary department, experience in surgery.	Pres.—P.O. Kishanganj, Distt. Purnea. Perm.— C/o Lachmi Prashad, Belon Bazar, Bengali Tola, P.O. Moughyr.	Touring Vety. Asstt. Surgeon.	STO-G.
8609	Bhagat Singh.		B.V.Sc. (Punjab)	4½ years service in the veterinary department.	Pres.—Sopore, Kashmir. Perm.—Vill. Sharakawara, P.O. Baramula, Kashmir.	Vety. Asstt. Surgeon.	STO-G.
8610	Bhagwat, Madhava Laxman.	1904	G.B.V.C. (Bombay) P.G. Course. (I.V.R.I. Izatnagar)	15 years service in the army and 8 years in the C.V.D. Madhya Bharat, experience in veterinary medicine.	Pres.—Bhilsa. Perm.— Jayandraganj, Lashkar, Gwalior.	Distt. Vety. Officer.	STO-G.
8611	Bhandari, Balbir Singh.	1930	B.V.Sc. & A.H. (Agra - '52)	...	Pres.—I/o Civil Vety. Hospital, Goshainwaj, Distt. Lucknow. Perm.—Vill. Surat, P.O. Chelusain, District Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8612	Bhandari, Harbans Lal (Brig.)	1909	M.R.C.V.S. (London - '38)	Since 1935 serving in the army, specialised in veterinary science.	Pres.—Remounts Vety. Farms, Army Headquarters, New Delhi. Perm.— C/o Gridley's Bank Ltd., New Delhi.	Director.	STA-G.
8613	Bharadwaj, Madan Behari.	1927	G.B.V.C. (Bihar)	One year work in biological production and 3 years in teaching anatomy & histology.	Pres.—U.P. College of Vety. Science & A.H., Mathura. Perm.— Wazirpura, Agra.	Demonstrator.	T-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8614	Bharadwaj, S.D.			For particulars, refer to S. No. ST. 8390 on page 988.			
8615	Bhargava, Mohan Lal.	1927	B.V.Sc. & A.H. (Agra —'52)	Since 1952 serving in the Dept. of A.H. in U.P.	Pres.— I/o Civil Vety. Hospital, Meja Road, Distt. Allahabad. Perm.— C/o Shri H.C. Bhargava, Bhargava Ice Factory, Civil Lines, Kanpur.	Vety. Asstt. Surgeon.	STO-G.
8616	Bhate, Vithal.	1915	G.B.V.O. (Bombay —'41)	Veterinary medicine and surgery.	Pres. 412, Raj Mohalla, Indore City. Perm—Vill. Dhamangam Avari, Taluk Akola, Distt. Ahmednagar.	Mobile Unit Officer.	STO-G.
8617	Bhatia, Roshan Lal. (Major)	1910	L.V.P. (Punjab—'32) B.V.Sc. (Punjab - '51)	Since 1932 serving in the army, experience in clinical diseases of horses, mules, camels and cattle.	Pres.—H Q. 21, Commu- nication Zone, C/o New Delhi 56 A.P.O. Perm—C/o Mohalla Sard Khana, P.O. Tarn Taran, Distt Amritsar.	Deputy Asstt. Director.	STA-G.
8618	Bhatnagar, Jagdish Chaudhary.	1925	G.B.V.C. (Bihar—'49)	4 years service in the A.H. Dept.	Pres.— I/o Civil Vety. Hospital, Bisauli, Distt. Budaun. Perm.— Do.	Vety. Asstt. Surgeon.	STO-G.
8619	Bhatnagar, Mukund Singh.	1915	L.V.P. (Punjab - '49)	11 years experience in animal genetics and operations.	Pres.—Shahjahanpur. Perm. — Vill Lamba Khera, P.O. Nawabganj, Distt. Bareilly.	Vety. Asstt. Surgeon	STO-G.
8620	Bhatnagar, Oukar Swarup.	1919	B.Sc. (Lucknow—'38) G.B.V.C. (Bihar- 41)	For 6 years did field work and 3 years in teaching histology.	Pres.- Meerut. Perm.— Harinivas, Sikandrabad, District Bulandshahr.	Distt. Live- stock Officer.	STO-G.
8621	Bhatt, Debi Prasad.	1913	G.V.Sc. (Calcutta—'37)	Engaged in touring duties.	Pres.—I/o Vety Hospital, Rudraprayag, District Garhwal. Perm.— Do.	Vety. Asstt. Surgeon.	STO-G.
8622	Bhatt, Guru Narayan.	1928	B.V.Sc. & A.H. (Agra — '53)	Treatment of animals and improvement in breeds.	Pres.— C/o H Q. Distt. Livestock Officer, Ali- garh Perm—C/o Pt L. N. Bhatt, Balka Basti, Agra	Vety. Asstt. Surgeon.	STO-G.
8623	Bhattacharjee, Bipoy Bhushan.	1929	G.V.Sc. (Calcutta—'48)	5 years service in veteri- nary practice.	Pres.—Kheragarh, Distt. Agra. Perm. 131/3B, Mono- harpukur Road, Kali- ghat, Calcutta	Vety. Asstt. Surgeon.	STO-G.
8624	Bhattacharya, Sachin- dra Nath.	1905	G.B.V.O. (Bengal—'27) Training in Artificial Insemination. (Mathura)	25 years service ex- perience in veterinary medicine and surgery.	Pres.—Bahrach Perm.— Vill Moilpur, P.O. Jaynagar-Moil- pur, Distt. 24 Parganas.	Vety. Asstt. Surgeon.	STO-G.
8625	Bhole, Bhakti Bhushan.	1909	Dip. in Vety. Science. (Patna)	16 years service in the veterinary line, experi- ence in contagious diseases of cattle.	Pres.— P.O. Ghatsila, Distt. Singbhum. Perm.—P.O. Manusmuria, Distt. Singbhum.	Touring Vety Asstt. Sur- geon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8626	Bhonsale, Shankarrao Sakharam.	1907	G.B.V.C. (Bombay —'33) P.G. in Vety. Science. (I.V.R.I.—'45)	Since 1934 serving in different capacities in the veterinary line. Written small pamphlets on various contagious diseases.	Pres.— Vety. Hospital, Morena, M.B. Perm.—424, Krishnapura, Dewas Senior, Dewas, M.B.	Distt. Vety. Officer.	STO-G.
8627	Bhubneshwari Prasad.	1928	G.B.V.C. (Bihar—'50)	3 years service in veteri- nary line.	Pres.— Baragaon, P.O. Hathwa, Distt. Saran. Perm.—Ganj No. 2, Near Lady Hospital, P.O. Bettiah, Distt. Cham- paran.	Touring Vety. Asstt. Sur- geon.	STO-G.
8628	Bisht, Kunwar Singh.		For particulars, refer to S. No. ST. 8392 on page 988.				
8629	Brave, Gladwin.	1928	G.B.V.C. (Bihar—'48)	5 years service in veteri- nary hospitals.	Pres.— I/o Civil Vety. Hospital, P.O. Anup- shahr, Distt. Buland- shahr.	Vety. Asstt. Surgeon.	STO-G.
8630	Brij Chandra. (Major)	1918	M.R.O.V.S. (London)	Serving in the IAVC.	Pres.— Staff College, Wellington. Perm.—C/o Lloyds Bank Ltd., New Delhi.	Vety. Surgeon.	T-G.
8631	Brind, Bahadur Singh.	1928	G.M.V.C. (Madras —'48) B.V.Sc. (Punjab—'49)	8 years field experience of veterinary and ani- mal husbandry work.	Pres.— I/o Civil Vety. Hospital, Chakia, Distt. Banaras. Perm.—Vill. Sagriviroo, P.O. Keraket, District Jaunpur.	Vety. Asstt. Surgeon.	STO-G.
8632	Buch, Natwarlal Chandulal.	1917	G.B.V.C. (Bombay —'41) P.G. in Vety. Science. (I.V.R.I.)	For $\frac{1}{2}$ years served in the C.V.D. Bombay, specialised in physiol- ogy & pathology of reproduction in cattle and veterinary science.	Pres.— Inst. of Agricul- ture, Anand. Perm.— Do.	Lecturer in Vety. Science.	T-G.
8633	Chandgi Ram.	1919	L.V.P. (Punjab)	Since 1942 serving in the army and dealing with the diseases of poultry, piggery, equines and cattle.	Pres.—I/o Military Farm, Deolali. Perm.— Vill. Nuran Khera, P.O. Butana, Distt. Rohtak.	Vety. Officer.	STO-G.
8634	Chandiramani, B.T.	1921	G.B.V.C. (Bombay —'46)	Worked in T.B. testing scheme at Bombay, ex- perience in poultry diseases and develop- ment.	Pres.— Kashipur, Naini- tal.	Vety. Asstt. Surgeon.	STO-G.
8635	Chandiramani, Nebhan Das.	1929	B.V.Sc. & A.H. (Agra —'52)	...	Pres.—I/o Vety. Hospital, Shahabad, Distt. Ham- pur, U.P. Perm.— 29/9, Rajendra Nagar, New Delhi.	Vety. Asstt. Surgeon.	STO-G.
8636	Chandorkar, Gopal Shridhar.	1909	G.B.V.C. (Bombay —'32) P.G. from I.V.R.I. (Mukteshwar)	20 years work in veteri- nary medicine and surgery.	Pres.—Indore. Perm.—C/o Vety. Dept., Indore.	Distt. Vety. Officer.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8637	Chandra, Paritosh Kumar.	1898	G.B.V.C. (Bengal-'20)	17 years work in the veterinary line, 4 years in research and 12 years in teaching veterinary subjects; specialization in preventive medicine & helminthology, published popular articles.	Pres.—Bengal Vety. College, Calcutta. Perm.— 1/6B, Paikpara Row, Calcutta 87.	Lecturer.	T-G.
8638	Charles, Harold Emmanuel.	1918	G.B.V.C. (Bihar-'42)	Since 1942 working in different capacities in the veterinary line including 3 years service in the army.	Pres.— I/o Civil Vety. Hospital, Farrukhabad. Perm.—C/o Dr. Mrs. N.D. Charles, Chaman Ganj, Kanpur.	Vety. Asstt. Surgeon.	STO-G.
8639	Chatterjee, Krishna Prasanna.	1909	Dip. in Vety. Medicine. (Patna—'32)	Since 1936 engaged in the treatment of animal diseases and protecting the animals from epizootics.	Pres.—Jamtara, Bihar. Perm — Vill. & P.O. Maluti, Distt. Santhal Parganas.	Touring Vety. Asstt. Surgeon.	STO-G.
8640	Chatterjee, Monindra Nath.	...	G.B.V.C. (Bengal-'27)	...	Pres.—Vety. Dispensary, Jarmundi, Distt. Santhal Parganas. Perm.— Bellon Bazar, Monghyr.	Touring Vety. Asstt Surgeon.	STO-G.
8641	Chatterji, Subodh Kumar.			For particulars, refer to S. No. ST. 8397 on page 989.			
8642	Chaturvedi, Jiwani Lal.	1921	B.Sc. (Agra—'40) G.B.V.C. (Bihar—'46)	...	Pres.— Civil Vety. Hospital, Dehra Dun. Perm.— Vill. & P.O. Kamtari, Tehsil Bah, Distt. Agra.	Vety. Asstt. Surgeon.	STO-G.
8643	Chaudhary, Dhananir Singh.	1927	B.V.Sc. & A.H. (Agra—'51)	...	Pres.— Tanda, Badhi, Distt. Rampur. Perm.— Vill. & P.O. Niloha, Tehsil Mawana, Distt. Meerut.	Vety. Asstt. Surgeon.	STO-G.
8644	Chauhan, Charitra.	1898	G.B.V.C. (Bengal-'20) P.G. training in medicine, surgery & lab. work.	26 years service as Vety. Asstt. Surgeon and 7 years as Vety. Inspector.	Pres.—Darbhanga, P.O. Lashieriasarai. Perm.— Vill. Dumari, P.O. Katra, District Mazaffarpur.	Vety. Inspector.	STO-G.
8645	Chaudhri, R.N.	1926	G.B.V.C. (Bihar-'50)	8 years work in veterinary medicine & parasitology.	Pres.— I/o State Vety. Hospital, Chhaprauli, Distt. Meerut. Perm. Sahawar Town, Distt. Etah.	Vety. Asstt. Surgeon.	STO-G.
8646	Chaudhry, Abdus Salam Khan.	1921	R.A. (Aligarh—'49) G.B.V.C. (Bihar— 49)	...	Pres.— I/o Civil Vety. Hospital, Thakurdwara, Distt. Moradabad. Perm.— Mohalla Chaudhriyan, P.O. Seohara, Distt. Bijnor.	Vety. Asstt. Surgeon.	STO-G.
8647	Chaudhry, Jai Dev Prasad.			For particulars, refer to S. No. ST. 8399 on page 989.			

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8648	Chaudhry, Virendra Singh.	1931	B.V.Sc. & A.H. (Agra—'51)	Engaged in the manufacture of rinderpest vaccine.	Pres.—Biological Products Section, Badshah Bagh, Lucknow. Perm.—C/o Kehar Singh, I.A.S., S, Mall Avenue, Lucknow.	Vety. Asstt. Surgeon.	STO-G.
8649	Chauhan, K.P.S.	1926	G.B.V.C. (Bihar—'47)	Treatment of animals and checking of cattle contagious diseases.	Pres.— I/c Civil Vety. Hospital, P.O. Kalrana, Distt. Muza�arnagar. Perm.— Vill. & P.O. Jatauli, Distt. Gurgaon.	Vety. Asstt. Surgeon.	STO-G.
8650	Chauhan, Nauroog Singh.	1922	Dip. in Vety. Science. (Patna)	9 years field work concerning rinderpest control, etc.	Pres.— Vill. & P.O. Takha, Distt. Etawah. Perm.— Vill. Tarauli, P.O. Kurauli, District Mainpuri.	Vety. Asstt. Surgeon.	STO-G
8651	Chhajju Singh.	1900	G.P.V.O. (Punjab—'22)	29 years service in the veterinary line.	Pres.— Vety. Hospital, Jalsun, U.P. Perm.— Vill. Mahroli, P.O. Dasna, Distt. Meerut.	Vety. Asstt. Surgeon	STO-G.
8652	Chowhan, K.S.	1927	B.V.Sc. (Punjab—'51)	...	Pres — Branch Vety. Hospital, Ambala Cantt. Perm.— C/o Gyan Singh, Khalsa High School, Sarhali, Distt. Amritsar.	Vety. Asstt. Surgeon.	STO-G.
8653	Dalel Singh. (O t.)	1918	I.V.P. (Punjab—'41)	...	Pres.— A.S.C. School, Bareilly. Perm.— C/o Grindlay's Bank, Delhi.	Vety. Asstt. Surgeon.	STO-G.
8654	Daniel, Rajah.	1925	G.M.V.C. (Madras) B.V.Sc (Madras)	Treatment of mastitis, artificial insemination and treatment of non-infective sterility.	Pres.—I/c Vety. Hospital, P.O. Robertsganj, Distt. Mirzapur. Perm.—9, Kamla Nehru Road, Allahabad 1.	Vety. Asstt. Surgeon.	STO-G.
8655	Dankher, Sube Singh.	1928	B.V.Sc. (Punjab—'50)	Supervision of farm animals and meat inspection.	Pres.— Military Farm, Panagar, Distt. Burdwan. Perm.— Vill. Bakheta, P.O. Farmanza, Distt. Rohtak.	Vety. Asstt. Surgeon.	STO-G.
8656	Dasanna, H.	1927	G.V.Sc. (Calcutta—'51)	2 years service in the army, interested in surgical diseases and operations.	Pres.— 'A' Coy., 8 A.T. Regt, A.S.C., C/o New Delhi 56 A.P.O. Perm.— P.O. Ajampur, Distt. Chickmagalur.	Vety. Asstt. Surgeon.	STO-G.
8657	Dauneria, Mewa Ram.	1919	Dip. in Vety. Medicine & Surgery. (Patna—'48) Artificial Insemination & Physio-Pathology of Reproduction (I.V.R.I., Izatnagar)	Treatment of medical & surgical cases, artificial insemination and goat breeding work.	Pres.—I/c Vety. Hospital, Mahewa, Distt. Etawah. Perm.—C/o Pt. Santoshi Lal Ji, Vill. Nonera, P.O. Kamatri, District Agra.	Vety. Asstt. Surgeon.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8658	Dawar Hussain.	1928	G.B.V.C. (Bihar)	Since 1948 working in the C.V.D., U.P.; experience in veterinary medicine, clinical surgery, bacteriology and pathology.	Pres.—Mohan Lal Ganj, Distt. Lucknow. Perm.— C/o National Medical Stores, Biswan, Distt. Sitapur.	Vety. Asstt. Surgeon.	STO-G.
8659	Dean, Samuel Fraser.	1918	Dip. Vety. Pract. (Patna—'42)	Since 1942 serving in the veterinary line including 4 years in the army.	Pres.— I/c Civil Vety. Hospital, Raukhet, Distt. Almora. Perm.— Do.	Vety. Asstt. Surgeon.	STO-G.
8660	Deane, W.H. (Capt.)	1914	L.V.P. (Punjab)	12 years service in civil and military veterinary departments, experience in artificial insemination.	Pres.— Military Farm, Kirkee. Perm.— Do.	Vety. Officer.	STO-G.
8661	Deb, R.N.	1924	G.V.Sc. P.G. training in disease investigation and in bacteriology & pathology.	2½ years field experience.	Pres.—I.V.R.I., Mukteswar. Perm.—C/o Shri Nagendra Nath Deb, 9, Kasundia Second Bylane, P.O. Santragachi, District Howrah.	Research Asstt.	R-G.
8662	Desai, Dhiroobhai Khandubhai.		For particulars, refer to S. No. ST. 8405 on page 990.				
8663	Deshapande, Sarvottam Pandharinath.	1906	G.B.V.C. (Bombay) Assoc. I.D.R.I. (Bangalore)	25 years experience in the diseases of dairy cattle, poultry and dogs including 8 years teaching work	Pres.— Bombay Vety. College, Parel, Bombay. Perm.— Do.	Professor of Medicine.	T-G.
8664	Deshmukh, Kesheo Venktesh.	1906	G.B.V.C. (Bombay—'38)	For 18 years did field work, experience in control of epidemics and treatment of animal diseases.	Pres.— Vety. College, Jabalpur. Perm.— Do.	Resident Vety. Officer.	T-G.
8665	Dewan, Balkrishan.	1922	L.V.P. (Punjab—'48)	Treatment of army horses & mules and meat inspection.	Pres.— Military Farm, Bareilly. Perm.—C/o Imperial Bank of India, Bareilly.	Vety. Officer.	STO-G.
8666	Dhake, Pandit Ramchandra.	1921	G.B.V.C. (Bombay—'45)	Since 1947 doing research work in bacteriology & immunology and teaching work.	Pres.— Bombay Vety College, Parel, Bombay 12 Perm.—P.O. Asoda, Tal Jalgaon, District E. Khandesh	Research Asstt.	TR-G.
8667	Dhar, A.N.	1910	L.V.P. (Punjab—'34)	19 years service in the treatment & control of contagious & other diseases.	Pres.— Vety. Dept., Srinagar Perm.— Do.	Vety. Asstt. Surgeon.	STO-G.
8668	Dhar, Lambodhar. (Major)	1909	B.A. (Punjab) L.V.P. (Punjab)	Since 1934 working in different capacities, experience in the diseases of army horses & mules and control of infectious & contagious diseases in animals.	Pres.— J. & K. Vety. Corps, C/o New Delhi 56 A.P.O. Perm.— Malik Angan, 3rd Bridge, Srinagar.	Senior Vety. & Remount Officer.	STO-G.

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S. No. ST	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8669	Dharam Chand. (Capt.)	1916	L.V.P. (Punjab)	5 years service in the C.V.D. Punjab including work in the Military Dairy Farm Secunderabad.	Pres.—H.Q. 8 A.T. Regt., Delhi Cantt. Perm.—C/o Ripu Daman Sood, Municipal Commissioner, Moga, Distt Ferozepur.	Vety. Officer.	STO-G.
8670	Dhaundiyal, Parasar.			For particulars, refer to S. No. ST. 8407 on page 990.			
8671	Dhirmalani, Jethanand Mulram.	1896	G.B.V.C. (Bombay —'16)	Worked for 8 years as Vety. Asstt. Surgeon and 20 years as Supdt. of Markets & Slaughter Houses.	Pres.— Biswan, Distt. Sitapur.	Vety. Asstt. Surgeon.	STO-G.
8672	Dhulia, Pitambar Datt.			For particulars, refer to S. No. ST. 8408 on page 990.			
8673	Dhyan Singh.	1918	L.V.P. (Punjab)	2 years service in the C.V.D. Punjab and 8 years in the army. At present engaged in inspection of meat, poultry & fish.	Pres.—H.Q. 8 A.T. Regt., A.S.C., Delhi Cantt. Perm.—852, Blunt Square, Behind Gupta Market, Mavia, Lucknow.	...	STO-G.
8674	Diwan Singh. (Capt.)	1921	L.V.P. (Punjab —'43) B.V.Sc. (Punjab —'52)	Service in the IAVC.	Pres.—I/c Meat Inspection, C/o No. 2, Command Vety. Laboratory, Poona. Perm.—Vill. & P.O. Bahu Akbarpur, Distt. Rohtak	Vety. Officer.	STO-G.
8675	Dixit, Brij Mohan.	1915	G.B.V.C. (Bihar —'42)	11 years work in the treatment of (prophylactic & curative), livestock development and work in general.	Pres.— Hainirpur., U.P. Perm.—C/o Sri Durga Parshad Dixit, Vill. & P.O. Aurangabad, Distt. Sitapur.	Vety. Asstt. Surgeon.	STO-G.
8676	Dogra, Puran Chand.	1926	B.V.Sc. (Punjab —'60)	...	Pres.—Kathua, Jammu. Perm.—Vill. Khogipur, P.O. Kheiri, Jammu Tawi.	Vety. Asstt. Surgeon.	STO-G.
8677	D'Rosario, Vincent Martin.	1919	B.V.Sc. (Madras) G.M.V.C (Madras)	8 years service in the army, specialised in meat inspection.	Pres.—C/o The D.A.D., R.F.V., H.Q. Bombay Area, Colaba, Bombay 5. Perm.—C/o The O.C., R.V.F.C. Centre & Records, Meerut Cantt.	Vety. Asstt. Surgeon.	STO-G.
8678	Dube, Radha Krishna.	1927	G.B.V.C. (Bihar —'50)	...	Pres.—P.O. Kochar, Distt. Shahabad. Perm.—Vill. Durgapur, P.O. Dehr on Sone, Distt. Shahabad.	Touring Vety. Asstt. Surgeon.	STO-G.
8679	Dwivedi, Akshaiwar Nath.	1926	G.B.V.C. (Bihar —'48)	Since 1948 serving in the C.V.D., U.P.	Pres.— I/c Civil Vety. Hospital, Rura, Distt. Kanpur. Perm.—Vill. Saran, P.O. Meja Road, Distt. Allahabad.	Vety. Asstt. Surgeon.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8680	Dwivedi, Lal Mani.	1916	G.V.Sc. (Calcutta-'49)	Since 1948 engaged in the treatment of equine, canine & bovine cases especially parasitic & surgical cases.	Pres.—I/o Municipal Vety. Hospital, Sarojini Naidu Marg, Lucknow, Perm.—Vill. Beharipur, P.O. Huseran, Distt. Farrukhabad.	Vety. Asstt. Surgeon.	STO-SG.
8681	Dwivedi, Mahabir Sharan.	1923	Dip. in Vety. Science. (Patna—'46) Training in Artificial Insemination & Poultry Science. (Mathura)	7 years service in hospital duties and meat inspection work.	Pres.—I/o Vety. Hospital, Mainpuri Perm.—Vill. & P.O. Ali-pore Khera, Distt. Mainpuri.	Vety. Asstt. Surgeon.	STO-G.
8682	Dwivedi, Mahadeo Prasad.	1921	G.B.V.C (Bihar-'45)	Since 1945 serving in the C.V.D., U.P.	Pres.—I/o Civil Vety. Hospital, Chunar, Distt. Mirzapur, Perm.—Vill. Babhani, P.O. Meja, District Allahabad.	Vety. Asstt. Surgeon.	STO-G.
8683	Dwivedi, Sudhakar.	1917	G.V.Sc. (Calcutta-'41)	Since 1941 working as Incharge of hospitals including goat breeding work from 1942-46, at present doing curative work; specialised in medicine & surgery.	Pres.— I/o Civil Vety. Hospital, Kanpur. Perm.—Narain Niwas, Nazar Bagh, Lucknow.	Vety. Asstt. Surgeon.	STO-G.
8684	Ganapathy, Kandathanda Alayappa.	1901	G.M.V.O. (Madras)	Since 1928 worked in different places including breeding farm and forest livestock work, specialised in elephant practice.	Pres.—Andaman. Perm.—Vill. Aramari, Virajpet, Coorg.	Vety. Officer.	STO-G.
8685	Gautam, Bijal Kumar Singh.	1926	G.B.V.O. (Bihar)	3 years work in the veterinary line.	Pres.— I/o Civil Vety. Hospital, Ghatalampur, Distt. Kanpur. Perm.—Vill. Dalabala Khera, P.O. Kalyanpur, Distt. Fatehpur.	Vety. Asstt. Surgeon	STO-G.
8686	Ghaligi, Shripad Bhimaji.	1913	G.B.V.C. (Bombay)	Served as Vety. Officer for 12½ years. Now treating the cases at the hospital and giving instructions to students, contributed articles on clinical cases.	Pres.—Bombay Veterinary College, Bombay. Perm.—C/o Shri B.S. Ghaligi, Annigeri, Distt. Dharwar.	Hospital Surgeon.	STO-G.
8687	Ghasita Singh.			For particulars, refer to S. No. ST. 8412 on page 991.			
8688	Ghaus Mohammad.	1925	B.V.Sc. (Punjab)	Since 1950 serving in the veterinary line.	Pres.—Mohammadabad, Ghasipur. Perm.—C/o Sri Mohammad Amin, Collectorate, Ballia.	Vety. Asstt. Surgeon.	STO-G.
8689	Ghose, J.T.	1904	G.B.V.O. (Bengal-'26)	20 years service in Bihar Veterinary Department; at present engaged in the inspection of veterinary institutions.	Pres.—Mothari, Distt. Champaran. Perm.—Bara Bazar, Monghyr, Bihar.	Vety. Inspector.	STO-G.

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S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8690	Ghosh, Sudhanu Bhushan.	1909	G.B.V.O. (Bengal)	Since 1929 engaged in treatment of animals and epidemic control work.	Pres.—Veterinary Hospital, P.O. Purulia, Distt. Manbhum. Perm.— O/o Satish Chander Ghosh, Catholic Church Road, Hazaribagh.	Vety. Asstt. Surgeon.	STO-G.
8691	Ghoshal, Birendra Chandra.	1908	G.B.V.O. (Bombay —'31)	Control of contagious diseases in cattle and improvement of livestock, specialised in medicine and published articles on the use of indigenous drugs in veterinary practice.	Pres.—Veterinary College, Jabalpur. Perm.— Do.	Asstt. Prof. of Pharmacology.	T-G.
8692	Gulab Singh.	1929	Dip. in Vety. Medicine & Surgery. (Patna —'60)	3 years field work.	Pres.—I/c Vety. Hospital, P.O. Tambohi, Distt. Deoria. Perm.— Vill. Bhupati Patti, P.O. Jaunpur.	Vety. Asstt. Surgeon.	STO-G.
8693	Gulhati, Lajpat Rai.	1909	L.V.P. (Punjab—'38)	Since 1933 serving in the army.	Pres.— Remount Depot, Saharanpur. Perm.—O.O.C., R.V.F.C. Centre, Meerut.	Vety. Asstt. Surgeon.	STO-G.
8694	Gulzar Prasad.	1905	G.B.V.O. (Bengal—'28) P.G. from I.V.R.I. (Mukteswar—'45)	From 1928-49 worked in the veterinary line including manufacture of goat tissue and rinderpest virus, experience in parasitology and bacteriology work.	Pres.—Bihar Veterinary College, Patna. Perm.— Do.	Vety. Disease Investigation Officer.	STO-G.
8695	Gupta, A.C.		For particulars, refer to S. No. ST. 8415 on page 991.				
8696	Gupta, Brijkishore.	1928	B.Sc. Vety. (Bombay —'51)	2 years work in veterinary surgery & pathology.	Pres.—Alirajpur. Perm.— Do.	Vety. Surgeon.	STO-G.
8697	Gupta, Ganga Ram.	1932	G.V.Sc. (Calcutta)	8 years of hospital and touring work.	Pres.— I/c Civil Vety. Hospital, Ghaziabad. Perm.— Vill. & P.O. Surir, Distt. Mathura.	Vety. Asstt. Surgeon.	STO-G.
8698	Gupta, Govind Kishore.		For particulars, refer to S. No. ST. 8418 on page 991.				
8699	Gupta, Hrishikesh.	1915	G.B.V.O. (Bihar—'37)	Veterinary medicine.	Pres.—P.O. Brahmapur, Distt. Sahabat. Perm.—O/o Phani Bhushan Gupta, Mohalla Permeshwar Dayal Lane, P.O. Maheudru, Patna.	Vety. Asstt. Surgeon.	STO-G.
8700	Gupta, Indra.	1916	B.Sc. (Banaras—'36) G.V.Sc. (Calcutta—'40)	From 1940-47 served in the O.V.D., U.P. and since 1947 doing teaching work.	Pres.— U.P. College of Veterinary Science & Animal Husbandry, Mathura, U.P. Perm.— Vill. Sikhera, P.O. Kawal, District Muzaffarnagar.	Lecturer in Materia Medica.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8701	Gupta, Om Prakash.			For particulars, refer to S. No. ST. 8419 on page 991.			
8702	Gupta, Ram Saran.	1926	B.V.Sc. & A.H. (Agra —'52)	Engaged in treatment of animals.	Pres.— Veterinary Hospital, Salon, Distt. Rae Bareilly. Perm.— C/o Chokkhan Lal, Mohalla Barkherwa, Lakhimpur, District Kheri, U.P.	Vety. Asstt. Surgeon.	STO-G.
8703	Gurbax Singh.	1898	G.P.V.C. (Punjab-'18)	Since 1918 working in the veterinary line.	Pres.— Veterinary Hospital, Hapur, District Meerut. Perm.— Do.	Vety. Asstt. Surgeon.	STO-G.
8704	Gurcharan Das.	1908	B.V.Sc. (Punjab)	21 years service in the army; experience in horse, mule and camel management.	Pres.—Remounts, Veterinary & Farms Branch, HQ 19 INF DIV., C/o New Delhi 56 APO. Perm.— House No. 201, New Town, Moga, Distt. Ferozepur.	Deputy Asstt. Director.	STA-G.
8705	Gyan Chandra.	1923	G.B.V.C. (Bihar)	...	Pres.— I/c Civil Vety. Hospital, Roorkee, Distt. Saharanpur. Perm.— C/o Shuantia Devi, Bara Kotri, Kannal.	Vety. Asstt. Surgeon.	STO-G.
8706	Haider, Maula Bakhsh.	1915	B.Sc. (Aligarh—'98) G.B.V.C. (Bihar—'48)	Since 1948 service experience of the profession especially in medicine and surgery.	Pres.— I/c Distt. Veterinary Hospital, Aligarh. Perm.— Vill. Dokh, P.O. Dulanchapra, District Ballia.	Vety. Asstt. Surgeon.	STO-G.
8707	Harbans Singh.	...	G.B.V.C. (Bihar)	10 years work in medicine and surgery.	Pres.— I/c Civil Vety. Hospital, Fatehpur Sikri, Agra. Perm.— Vill. & P.O. Saidpore, Distt. Balundshahr.	Vety. Asstt. Surgeon.	STO-G.
8708	Harbans Singh.	1910	L.V.P. (Punjab—'93) Cert. in Horticulture. (Lyallpur)	Since 1923 serving in the veterinary line.	Pres.—I/c Vety. Hospital, Ochaharpur, Distt. Dehra Dun. Perm.— Do.	Vety. Asstt. Surgeon.	STO-G.
8709	Harbole, Mohan Chandra.	1921	Dip. in Vety. Science. (Calcutta)	Hospital and tour work.	Pres.— I/o Veterinary Hospital, Barabanki. Perm.—Vill. Mahabgaon, P.O. Chitreshwar, Distt. Almora.	Vety. Asstt. Surgeon.	STO-G.
8710	Haridwar Singh.	1916	G.B.V.C. (Bihar—'35)	Experience in veterinary medicine.	Pres.— P.O. Bikram, Patna. Perm.—Vill. Korra, P.O. Malathi, Gaya.	Vety. Asstt. Surgeon.	STO-G.
8711	Haripure, Shanker Laxman.	1906	G.B.V.C. (Bombay —'92) P.G. training. (I.V.R.I., Mukteswar —'39)	...	Pres.— Vety. Hospital, Hazrat, Gwalior. Perm.— Do.	Vety. Surgeon.	STO-G.

## VETERINARY SCIENCE--Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8712	Harnam Singh. (Major)	1910	L.V.P. (Punjab-'38) B.V.Sc. (Punjab-'51)	Since 1938 serving in the army.	Pres.— Military Vety. Hospital, Jullundur Cantt. Perm.— Vill. & P.O. Khambara, District Jullundur Cantt.	Vety. Surgeon & Physician.	STO-G.
8713	Harpal Singh.	1928	B.V.Sc. (Punjab—'59)	...	Pres.—Vill. & P.O. Chaj- jalwadi, Distt. Amritsar. Perm.— Do.	...	Up.
8714	Harshay, Damodar Balkrishna.		For particulars, refer to S. No. ST. 8429 on page 992.				
8715	Hashmi, Osaid.	1908	Dip. Bengal Vety. College, (Calcutta)	22 years service in the veterinary line.	Pres.— Jamui, Distt. Monghyr. Perm.—Vill. Basantpur, P.O. Patoni Basant, via Laheria Sarai, Distt. Darbhanga.	Vety. Asstt. Surgeon.	STO-G.
8716	Hattangady, Sitaram Rao.	1917	G.M.V.C. (Madras—'40) B.V.Sc. (Madras—'42)	Since 1941 serving in different capacities in- cluding teaching work from 1947; specialised in veterinary surgery & obstetrics in large as well as in small animals and meat inspection.	Pres.— Bombay Vety. College, Parel, Bombay 12. Perm.— Sri Sadan, 16/4, Juhu Road, Santa Cruz West, Bombay 23.	Asstt. Prof. of Surgery.	T-G.
8717	Hasura Singh. (Major)	1907	L.V.P. (Punjab—'30)	Worked for 7 years in a military laboratory.	Pres.—H.Q., E.P. Area, Jullundur Cantt. Perm.—Vill. & P.O. Shah- abad, Distt. Karnal.	Deputy Asstt. Director.	STA-G.
8718	Hiregaudar, Lingana- gouda Siddanagouda.	1920	G.B.V.C. (Bombay —'44) B.Sc. Hons. (Bombay —'51)	8 years field work and 5 years teaching work.	Pres.—Bombay Veterinary College, Parel, Bombay. Perm—C/o G.D. Warker, Bhusapeth, Hubli, Dharwar.	Lecturer in Parasitology.	T-G.
8719	Iyengar, Hiramagalur Narayaniengar Chelva.	...	G.M.V.C. (Madras)	Extensive and varied experience of the veteri- nary line including teaching and research work in anatomy, con- tributed a large number of articles on distri- bution of certain blood vessels, nerves & other structures	Pres.— Veterinary Col- lege, Jabulpur, M.P. Perm.— White Castle, 111, Purusawakam High Road, Veppery, Madras.	Principal & Prof. of Ana- tomy.	TR-G.
8720	Jackson, Bryan Humphrey.	1921	G.V.Sc. (Calcutta) Certificate in Artifi- cial Insemination (I.V.R.I., Izatnagar)	Since 1948 working in veterinary science.	Pres.—O/o DAD, RVF, H.Q. 20 INF. Div., O/o New Delhi 56 APO. Perm.— 83, Beniapuker Lane, Calcutta 14.	Vety. Officer.	STO-G.
8721	Jagraj Singh.	1926	B.V.Sc. & A.H. (Agra —'51)	...	Pres.— I/o Vety. Hospital, P.O. Baberu, District Banda, U.P. Perm.— P.O. Narauli, Distt. Moradabad.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE -Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8722	Jai Singh.	1911	B.A. (Agra-'34) L.V.P. (Punjab-'40)	Since 1948 working in the biological production section at Lucknow concerned with ranikhet & rinderpest vaccines.	Pres.—Production Section, Animal Husbandry Dept., Badshahbag, Lucknow. Perm.—Vill. Saunta, P.O. Sisauli, Distt. Muzaffarnagar.	Vety. Inspector.	STO-G.
8723	Jamdar, Manohar Narayan.			For particulars, refer to S. No. ST. 8428 on page 992.			
8724	Jau, Abdul Ahad.	1908	G.B.V.C. (Bombay)	19 years service in the veterinary line.	Pres.— Mohalla Gajnag, Kadipora, Anantnag, Kashmir. Perm.—Mohalla Khallipora, Khanyar, Srinagar, Kashmir.	Vety. Inspector.	STO-G.
8725	Jayaswal, Dhirendra Narayan.	1926	G.B.V.O. (Bihar-'47)	Since 1947 working in the veterinary line.	Pres.—P.O. Ekma, Distt. Saran. Perm.—C/o Babu Ganesh Lal Jayaswal, Ganj No. II, Goldarpatti, P.O. Bettiah, Distt. Champaran.	Vety. Asstt. Surgeon.	STO-G
8726	Jha, Phulendra Nath.	1917	Grad. Vety. Science. (Patna-'41)	12 years work in veterinary profession especially in medicine and surgery.	Pres.—Mahanar, Muzaffarpur. Perm.— Vill. Tamuria, Sub-Division Madhubani, Distt. Darbhanga.	Touring Vety. Asstt. Surgeon.	STO-G.
8727	Jha, Rajendra.	1927	Dip. in Vety. Science. (Patna-'50)	Since 1950 working in the veterinary line.	Pres.— Veterinary Dispensary, P.O. Jhapaha, Distt. Muzaffarpur. Perm.—Vill. Behata, P.O. Benipatti, Distt. Darbhanga.	Vety. Asstt. Surgeon.	STO-G.
8728	Jha, Shyam Sundar.	1928	G.B.V.C. (Bihar-'51)	...	Pres.—Vety. Dispensary, P.O. Dhanbad, Distt. Maubhum. Perm.—Vill. Brahmapura, P.O. Akaur, Distt. Darbhanga.	Touring Vety. Asstt. Surgeon.	STO-G.
8729	Jog, Martaud Mahdeo.	1917	G.B.V.O. (Bombay)	Since 1940 service in M.B. Veterinary Department.	Pres.— Gird, Hujrat Payga, Lashkar. Perm.—Bhagwat Vakils Wada, Near Mulidhar Temple, Nasik City.	Distt. Vety. Officer.	STO-G.
8730	Joginder Singh.	1921	L.V.P. (Punjab-'48)	Since 1946 engaged in fertility work concerning farm animals	Pres.— Military Farm, Jhansi. Perm.—C/o Dr. Teja Singh, Chak 71 R.B., P.O. Raisingsagar, Bikaner.	Vety. Asstt. Surgeon.	STO-G.
8731	Johari, Bhairon Prasad.			For particulars, refer to S. No. ST. 8429 on page 992.			
8732	Joshi, Gopal Hari.			For particulars, refer to S. No. ST. 8430 on page 993.			

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8733	Joshi, Harish Chandra.	1921	G.V.Sc. (Calcutta-'45)	For 4 years served in the veterinary department; for the last 5 years doing teaching work.	Pres.—Veterinary College, Mathura. Perm.—Mohalla Champaiana, Almora.	Demonstrator.	T-G.
8734	Joshi, Ishwar Prasad.	1920	G.B.V.C. (Bihar)	Since 1944 working on the control of cattle contagious diseases to immunise livestock against diseases.	Pres.— I/o Civil Vety. Hospital, Rampur. Perm.—Mohalla Cheena Khan, Almora, U.P.	Vety. Asstt. Surgeon.	STO-G.
8735	Joshi, Jagdish Prasad.	1920	G.B.V.C. (Bihar—'39)	Since 1939 service in the veterinary profession in different capacities.	Pres.—Etab, U.P. Perm.—Vill. Syan, P.O. Naull, Karanprayag, Distt. Pauri Garhwal.	Distt. Livestock Officer.	STO-G.
8736	Joshi, Satish Chandra.	1981	B.V.Sc. & A.H. (Agra)	Field & laboratory work concerning the liver fluke control.	Pres.—Liver Fluke Control Scheme, Baijnath, Distt. Almora. Perm.— Mohalla Sela Khola, Almora.	Vety. Asstt. Surgeon.	R-G.
8737	Joshimao, Madhukar Krishnaji.	1928	B.Sc. Vety. (Bombay —'50)	Worked in the pathology, bacteriology & parasitology sections of the veterinary college.	Pres.— Vety. College, Jubbulpore. Perm.— Do.	Vety. Asstt. Surgeon.	STO-G.
8738	Jyoti, Ramanand.	1916	G.B.V.C. (Bihar—'44)	10 years service in the Animal Husbandry Department, U.P.	Pres.— I/o Vety. Hospital, Almora. Perm.— Vill. Jiwai, P.O. Baijara, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8739	Kackrana, Shiam Bihari Lal.	1912	Dip. in Vety. Science. (Calcutta—'34) Training in biological products. (Lucknow) Training in Artificial Insemination. (Mathura) Training in Poultry Husbandry. (Lucknow)	From 1934-51 worked as Veterinary Assistant Surgeon.	Pres.—Jaunpur. Perm.—Peepal Mandi, Agra.	Vety. Inspector.	STO-G.
8740	Kak, Ram Nath.	...	L.V.P. (Punjab)	11 years service in the practice of veterinary medicine and surgery.	Pres.— I/o Veterinary Dispensary, Udhampur, Jammu. Perm.— Upper Sathu, Srinagar.	Vety. Asstt. Surgeon.	STO-G.
8741	Kala, Dhar Pd.	1925	G.V.Sc. (Calcutta—'48)	Cattle breeding and diseases of animals.	Pres.— I/o Civil Vety. Hospital, Dhampur, Bijnor. Perm.— Vill. & P.O. Sumari, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8742	Kalapeti, Rustom Manejji.	1909	G.B.V.C. (1930)	Since 1930 worked in different capacities e.g. Veterinary Inspector, Veterinary Officer, etc. Specialised in animal histology & pathology and in meat inspection work.	Pres.— Bombay Vety. College, Park, Bombay. Perm.— Gulistan, 802/A, Kingsway, Dadar, Bombay 14.	Professor of Pathology.	T-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8743	Kale, Suresha Nand.	1927	Dip. in Vety. Science. (Patna)	...	Pres.— Kichha, Distt. Nainital. Perm.— Vill. Badole Gaon, P.O. Pankhal, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8744	Kamalapur, Swami- rao Kantarao.	1923	B.Sc. Hons. (Bombay —'44) G.B.V.C. (Bombay —'48) P.G. training. (Muk- teswar)	Teaching of veterinary science, pathology and veterinary parasitology.	Pres.— Vety. College, Jubbulpore. Perm.— Desai Galli, Dharwar.	Asstt. Prof. of Path., Bact. & Parasito- logy.	T-G.
8745	Kangude, Ganpatrao Marutirao.	1916	G.B.V.C. (Bombay —'45)	For 2½ years worked in the army in Jammu & Kashmir.	Pres.— I/c Pathological & Bact. Section, M.B Vaccine & Research Insti- tute, Lashkar, Gwalior. Perm.— Saundre, P.O Barsi, Distt. Sholapur.	Sectional Offi- cer.	STO-G
8746	Kanl, Ballabh.	1926	Dip. in Vety. Science. (Calcutta—'48)	5 years work in conta- gious disease control and cattle development.	Pres.—I/c Vety. Hospital, Milak, Distt. Rampur. Perm.—Vill. Karget, P.O. Dewas, Teh. Ranikhet, Distt. Almora.	Vety. Asstt. Surgeon.	STO-G.
8747	Kapila, Daljit Chand.	1916	G.B.V.C (Bihar—'38)	Since 1938 working in the treatment of equines & bovines, meat inspec- tion, etc.	Pres.— Military Farm, Lucknow. Perm.—C/o. Dr. Barkat Ram Kapila, Vill. & P.O. Paudori Nijran, Distt. Jullundur.	Vety. Officer.	STO-G.
8748	Kapoor, Dharmendra Prasad.	1916	Dip. in Vety. Science. (Calcutta)	Since 1941 service experi- ence of veterinary line, doing touring and development work.	Pres.— I/c Civil Vety. Hospital, Goberdhan, Mathura. Perm.—C/o Saroor & Co., Chemists & Druggists, Lucknow.	Vety. Asstt. Surgeon.	STO-G.
8749	Kapoor, Hardeo	1916	B.Sc. (Banaras—'38)	6 years work in the veteri- nary line and 6 years in teaching & research.	Pres.— U.P. College of Vety. Science & Animal Husbandry, Mathura. Perm.—C/o Late Sri B.D. Kapoor, Bar-at-law, Saharanpur.	Lecturer in Histology.	TR-G.
8750	Kapri, Bishnu Datt.	1917	B.Sc. (Allahabad—'37) G.V.Sc. (Calcutta—'40)	Worked for 7 years as Veterinary Asstt. Surgeon and 2 years in teaching.	Pres.— U.P. College of Vety. Science & Animal Husbandry, Mathura. Perm.— Vill. Swakholi, P.O. Pithoragarh, Distt. Almora.	Lecturer in Physiology.	TR-G.
8751	Kapse, Dattatraya Shankarrao.	1926	B.Sc. Vety. (Bombay —'51)	Touring veterinary work.	Pres.— Kannod, District Dewas. Perm.— 44, Rambagh, Bhide's Wada, Indore City.	Pargana Vety. Officer.	STO-G.
8752	Kapur, Janki Dass.	1913	M.R.O.V.S. (London)	Diseases of equines and bovines.	Pres.— H.Q. U.P. Area, Lucknow. Perm.—8/16, Patel Nagar (South), New Delhi.	Asstt. Director. (R.V.F.)	STA-G.

## VETERINARY SCIENCE -Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8753	Karam Singh. (Capt.)	1918	L.V.P. (Punjab)	11½ years service in the army, specialised in surra, epizootic lymphangitis and meat inspection.	Pres.—25 INF Div., C/o Deputy Asstt. Director, R.V.F., HQ 25 INF Div., New Delhi 56 A.P.O. Perm.—Vill. Nabipur, P.O. Gurdaspur.	E.V.O.	STO-G.
8754	Karamvir Singh.	1929	B.V.Sc. (Punjab-'52)	...	Pres.— Path. & Bact. Division, I.V.R.I., Mukteswar-Kumaon, Distt. Nainital. Perm.— O/o S. Nagina Singh, Lyallpuri, Vill. & P.O. Khurd Pur, Distt. Jullundur.	Research Asstt.	R-G.
8755	Karan Singh.	1921	L.V.P. (Punjab)	10 years experience of veterinary science.	Pres.— R.V.F.C. Centre & School, Meerut Cantt. Perm.— Vill. Kurar, P.O. Murthal, Distt. Rohtak.	Vety. Instructor.	T-G.
8756	Karnatak, Bhawani Sahai.	1926	B.V.Sc. & A.H. (Agra — '51)	Engaged in clinical and field work.	Pres.— I/o Civil Veterinary Hospital, Jalalabad, District Shahjahanpur. Perm.— Karnatak Kholi, Almora, U.P.	Vety. Asstt. Surgeon.	STO-G.
8757	Kartar Singh.	1916	L.V.P. (Punjab—'39)	For 4 years worked in the O.V.D. Punjab	Pres.— HQ. 123 Infantry Brigade, C/o New Delhi 56 A.P.O. Perm.— Vill. & P.O. Jandu Singh, Distt. Jullundur.	Vety. Officer.	STO-G.
8758	Katiyar, Narendra Nath.	1926	G.B.V.O. (Bihar-'50)	Engaged in hospital and field work.	Pres.—I/o, Civil Vety. Hospital, Atarra, Distt. Banda, U.P. Perm.—Vill. Niwaji Pur, P.O. Makarand Nagar, Distt. Farrukhabad.	Vety. Asstt. Surgeon.	STO-G.
8759	Katiyar, Rama Dhin.			For particulars, refer to S. No. ST. 8434 on page 998.			
8760	Katoch, Lekh Chand.	1921	L.V.P. (Punjab—'41)	Engaged in the treatment & prevention of army animals from contagious and non-contagious diseases.	Pres.— Military Vety. Hospital, Haldi Ghat Lines, Jaipur. Perm.— Vill. Khudli, P.O. Majherna, Tehsil Palampur, District Kangra.	...	STO-G.
8761	Kaul, D.N.			For particulars, refer to S.No. ST. 8435 on page 998.			
8762	Kaul, Triloki Nath.	1917	B.A. (Punjab—'40) G.B.V.C. (Bombay — '44) P.G. from I.V.R.I. (1952)	10 years work in the veterinary line, experience in bacteriology & pharmacology including laboratory technique.	Pres.— Vety. Hospital, Jammu. Perm.— Ali Kadal, P.O. S.R. Ganj, Srinagar.	House Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8763	Kaushal, R.L.	1920	Grad. Punjab Vety. College. (1942) P.G. Course in the manufacture of sera & vaccines. (I.V.R.I.—'49) F.A.O. Course in virus diseases. (1953)	3½ years work in prevention of epidemics and other veterinary diseases, examination of milk & meat for military units and 5 years in the production of biological products, disease investigation & control thereof. ...	Pres.— Madhya Bharat Vaccine & Research Institute, Huzrat Paiga, Lashkar, Gwalior. Perm.— Do.	Dy. Director, Research & Disease Control.	R-G.
8764	Kazmi, Ahmad Nabi.	1924	G.V.Sc. (Calcutta)		Pres.— I/o Civil Vety. Hospital, Bilgram, Distt. Hardoi. Perm.— C/o Syed Haider Hasan Kazmi, Mohalla Garhgorwan, Muzaffarnagar.	Vety. Asstt. Surgeon.	STO-G.
8765	Keswani, Dipchand Gopaldas. (Major)			For particulars, refer to S. No. ST. 8439 on page 994.			
8766	Khan, Abdul Haleem.	1900	G.B.V.O. (Bengal-'22)	Since 1923 service experience of the veterinary profession in different capacities, specialised in diseases of the alimentary canal and castration.	Pres.— Dumka Circle, P.O. Dumka, Distt. Santhal Parganas Perm.— Mohalla Tatarpur, Bhagalpur City.	Vety. Inspector.	STO-G.
8767	Khan, Gull Muhammed.	1900	G.B.V.O. (Bengal-'21)	Since 1921 working in the veterinary line with specialization in the treatment of animal diseases.	Pres.— I/o Veterinary Hospital, Purnea, Bihar. Perm.— Vill. Sukjora, P.O. Ranigram, Distt. Santhal Parganas.	Vety. Asstt. Surgeon.	STO-G.
8768	Khan, Ibrahim Ali.	1914	G.B.V.O. (Bihar)	Since 1941 serving in the veterinary line.	Pres.— Key Village Block, Agricultural Institute, Allahabad. Perm.— Bahadurganj, Distt. Shahjahanpur	Officer-in-Charge	STO-G.
8769	Khan, Mohammad Murtaza.	1920	G.B.V.O. (Bihar—'40)	Since 1941 doing touring work.	Pres.— P.O. Tilothu, Shahabad. Perm.— Mohalla Sultanpore, P.O. Dinapore Cantt., Patna.	Touring Vety. Asstt Surgeon.	STO-G
8770	Khan, Mohd. Habib.	1912	M.R.C.V.S. (London)	For 5 years served in the Hyderabad State Forces. Since 1946 teaching physiology, hygiene, parasitology, pathology & bacteriology and medicine to B.V.Sc. students. Contributed a pamphlet on 'Milk, its production and contamination'.	Pres.— College of Vety. Science & A.H., Osmania University, Hyderabad. Perm.— Do.	Principal.	T-G.
8771	Khan, Ahmad. Sultan	1899	G.B.V.O. (Bengal)	31 years service in the veterinary line.	Pres.— Veterinary Hospital, Maniari, Muzaffarpore. Perm.— P.O. & Vill. Kothla, District Darbhanga.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8772	Krishna Murty, Devarakonda.	1921	G.M.V.C. (Madras —'42) B.V.Sc. (Madras—'43)	7 years teaching work of bacteriology and pathology.	Pres.— U.P. College of Vety. Science & A.H., Mathura, Perm.— Do.	Asstt. Prof. of Bacteriology.	T-G.
8773	Kahirsagar, Shrinivas Govind.		For particulars, refer to S. No. ST. 8448 on page 994.				
8774	Kukreti, Janardan Prasad.	1913	B.Sc. (Allahabad—'84) L.V.P. (Punjab—'40)	For 8 years worked as Incharge of different hospitals. Since 1948 doing teaching work in veterinary anatomy.	Pres.—U.P. Vety. College, Mathura. Perm.— Lansdowne, Distt. Garhwal.	Lecturer in Anatomy.	T-G.
8775	Kuksal, Shambhu Prasad.	1928	G.B.V.C. (Bihar—'50)	2½ years service in the veterinary line.	Pres.—Civil Veterinary Hospital, Fatehabad, Distt. Agra. Perm.—Vill. Chami, P.O. Kingori khal, District Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8776	Kulkarni, Madhukar Narayan.	1929	B.Sc. Vety. (Bombay —'52)	Production of biologicals.	Pres.—Research & Vac- cine Institute, Huzrat, Iashkar, Gwalior. Perm.— Do.	Research Asstt.	R-G.
8777	Kulkarni, Shrinivas Ramasao.	1920	G.B.V.C. (Bombay —'46)	Engaged in research & diagnostic work in bacteriology & immuno- logy and in the produc- tion of goat virus vaccine.	Pres.—Bact. Laboratory, Bombay Vety. College, Parel, Bombay 12. Perm — P.O. Tolacha- gudd, Taluka Badami, Distt. Bijapur.	Research Asstt.	R-G.
8778	Kulkarni, Venktesh Banagirao.	1916	G.B.V.C. (Bombay —'45)	For 8 years worked as Veterinary Assistant Surgeon. Since 1948 doing research and diagnostic work in bacteriology and immu- nology.	Pres.—Bact. Laboratory, Bombay Vety. College, Parel, Bombay 12. Perm.— C/o S.N. Dater, Pleader, P.O. Athul, Distt. Belgaum.	Research Asstt.	R-G.
8779	Kulkarni, Vishnu Harihar.	1916	Dip. in Vety. Science. (Bombay —'41)	12 years experience in the treatment of conta- gious, infectious and non-contagious diseases of animals as well as preventive inoculations against such diseases.	Pres.— Vety. Hospital, Ratlam. Perm.— Vety. & Animal Husbandry (Services) Department, Madhya Bharat, Gwalior.	Distt. Vety. Officer.	STO-G.
8780	Kulshrestha, Basanti Lal.	1925	B.V.Sc. & A.H. (Agra —'52)	...	Pres.— I/c Civil Vety. Hospital, Jastana, Distt. Mainpuri. Perm.— Vill. Mangroo, P.O. Sadabat, Distt. Mathura.	Vety. Asstt. Surgeon.	STO-G.
8781	Kumar, Subhash. Chandra	1925	G.V.Sc. (Calcutta)	...	Pres.— Jaisalmer Camel BTY, C/o New Delhi 66 A.P.O. Perm.— 62A, Durga Charan Doctor Road, Calcutta 14.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8782	Kumar, Chandra, Pratulka	1900	G.B.V.O. (Bengal-'22) P.G. training from Madras Vety. Col- lege. (1926)	Over 99 years service in the profession includ- ing 16 years of touring duties, specialised in canine & equine practice.	Pres.— Vety. Hospital, Hazaribagh. Perm.— P.O. Chaibas, Distt. Singbhum.	Vety. Asstt. Surgeon.	STO-G.
8783	Kunwar, Raj Narain.	1922	G.V.So. (Patna-'46)	7 years service as Vete- rinary Asstt. Surgeon in U.P. Govt.	Pres.—I/c Vety. Hospital, P.O. Maunath Bhanjan, Distt. Azamgarh. Perm.— Vill. & P.O. Gangapur, Distt. Ballia.	Vety. Asstt. Surgeon.	STO-G.
8784	Kuppuswamy, P.B.	1915	B.A. (Madras—'36) G.M.V.O. (Madras—'39) B.V.So. (Madras—'41)	Research & teaching work in veterinary pathology, bacteriology and para- sitology; contributed pub- lications on the same.	Pres.—Bihar Vety. Col- lege, Patna. Perm.— Do.	Professor of Path. & Bact.	TR-G.
8785	Kurli, Senapati Murlidhar Mukundrao.	1917	G.B.V.O. (Bombay)	For 5 years did field work and for the last 7 years engaged in teach- ing and clinical work.	Pres.— College of Agri- culture, Dharwar. Perm.— Rajput Galli, Mangalwar Peth, Dhar- war.	Lecturer in Vety. Science.	T-G.
8786	Kutty, Kunduvara Sankaran.	1921	B.V.Sc. (Madras-'49)	Treatment of farm ani- mals.	Pres.— 7 Bn, the Grenadiers, C/o New Delhi 56 A.P.O. Perm.— Kunduvara House, Kottapuram Road, Trichur.	Vety. Officer.	STO-G.
8787	Lachhaman Prasad.		For particulars, refer to S. No. ST. 8445 on page 995.				
8788	Lachman Dass. (Capt.)	1911	L.V.P. (Punjab—'33)	Since 1934 engaged in veterinary work in the army, specialised in surgery.	Pres.— No. 1, Adv. Fd. Vet. Hospital, C/o New Delhi 56 A.P.O. Perm.— Vill. Moholi Kalan, P.O. Barnala, PEPSU.	...	STO-G.
8789	Lakshmi Prasad. (Capt.)		For particulars, refer to S. No. ST. 8448 on page 995				
8790	Lall, Krishna Kumar.	1928	Dip. in Vety. Science. (Patna—'59)	...	Pres.— O.V.D., North Bihar Range, Muzaffarpur. Perm.—Mohalla Masoom Ganj, P.O. Chhapra, Distt. Saran.	Reserve Vety. Asstt. Surgeon.	STO-G.
8791	Maan, Jagjit Singh.	1927	B.V.Sc. (Punjab—'51)	...	Pres.—I/c Military Farm, Deolali, Distt. Nasik. Perm.—C/o S. Mohinder Singh Mann, Govt. High School, Hissar.	Vety. Asstt. Surgeon.	STO-G.
8792	Mahar, Ummed Singh.	1916	Dip. in Vety. Science. (Patna)	Since 1941 engaged in the veterinary line, spe- cialised in liver fluke control in bovines and artificial insemination of animals.	Pres.— I/c Key Village Block, P.O. Sachendi, Distt. Kanpur. Perm.— Vill. Tarkote Patti, Rangore, P.O. Bhanoli, Distt. Almora	Vety. Officer.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. St.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8793	Mahatj Singh.	...	M.A. (Punjab) L.V.P. (Punjab)	For 6 years served in the army.	Pres.— Indian Vety. Research Institute, Mukteswar-Kumaun, Perm.—Majholi, Distt. Moradabad.	Research Asstt.	R-G.
8794	Mahatma Singh.	1921	G.V.Sc. (Patna—'48)	Since 1948 working in the veterinary line.	Pres.—Pokhrayan, Distt. Kanpur. Perm.— Vill. & P.O. Singara, Distt. Ghazipur.	Vety. Asstt. Surgeon.	STO-G.
8795	Maheshwar Prasad.	1932	G.B.V.O. (Bihar—'51)	...	Pres.— Veterinary Dispensary, P.O. Sikandra, Distt. Monghyr. Perm.—C/o B. Deonandan Prasad, Vill. & P.O. Kurmichak, District Patna.	Touring Vety. Asstt. Surgeon.	STO-G.
8796	Mahmud Ali Khan.	1913	G.V.Sc. (Calcutta—'38)	For the last 15 years engaged in preventing and curing the diseases of livestock.	Pres.— Bharati Mecha-nised State Farm, Distt. Jhansi. Perm.— P.O. Dataganj, Distt. Budaun.	Vety. Asstt. Surgeon.	STO-G.
8797	Mainkar, Sadashiv Anant.	1915	G.B.V.O. (Bombay — '41)	11 years service.	Pres.— Vety. Hospital, Dewas Gate, Ujjain. Perm.—Mainkar's House, Block No. 37, Hamari Colony, Indore.	Distt. Vety. Officer.	STO-G.
8798	Malhotra, Inder Sain. (Capt.)	1920	Dip. in Vety. Science. (Punjab—'49)	10½ years work in the treatment of diseases of farm animals and meat inspection.	Pres.— C/o D.A.D., R.V.F., H.Q. Bombay Area, Colaba, Bombay 5. Perm.— C/o Shri Isher Das Malhotra, 440/5, Khurbara, Dehra Dun.	Vety. Officer.	STO-G.
8799	Malik, Abdul Jabbar.	1909	G.B.V.O. (Bengal—'30)	...	Pres.— Vety. Dispensary, Sahebganj, Distt. Santhal Parganas. Perm.—Vill. Adsar, P.O. Jamui, Distt. Monghyr.	Touring Vety. Asstt. Surgeon.	STO-G.
8800	Malkani, P.G.	1898	B.A. Hons. (Bombay — '19) M.R.O V.S. (London — '25) B.Sc Vety. (London — '25)	Since 1927 worked in teaching, research & production of vaccines & sera against rinderpest, haemorrhagic septicæmia, black quarter, anthrax, abortion; research in warbles & parasitic cysts. Published papers on virus diseases, protozoology, helminthology, entomology and popular articles.	Pres.— C/o High Commission for India in Ceylon, P.O. Box 882, Colombo 1.	Head of the Divn. of Vety. Research Lab. & Hospital.	R-G.
8801	Mallick, Sulaiman Mohammed.	1918	Dip. in Vety. Science. (Patna—'39)	18 years work in the treatment of animals.	Pres.—I/o Govt. Vety. Hospital, Padrauna, Deoria. Perm.—Vill. Belowa, P.O. Selao, Distt. Patna.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8802	Manaise, Kirpal Singh. (Capt.)	1918	B.Sc. (Punjab—'35) L.V.P. (Punjab—'41)	Served for 2 years in the O.V.D. Punjab, since 1944 serving in the army looking after the farm animals.	Pres.— Military Farm, Ferozepore Cantt. Perm.—C/o The Imperial Bank of India, Indore.	Vety. Officer.	STO-G.
8803	Manglik, Satish Chandra.			For particulars, refer to S. No. ST. 8453 on page 996.			
8804	Mantri, Yeshwant Govind.	1914	G.B.V.C. (Bombay)	10 years service in the army, now doing field work concerning preventive inoculations and diagnosis of diseases.	Pres.—I/c Mobile Unit, Gwalior. Perm.—C/o G.I. Mantri, Urur-Islampur, Distt. S. Satara.	Vety. Officer.	STO-G.
8805	Massey, Baker Swarup.			For particulars, refer to S. No. ST. 8454 on page 996.			
8806	Masson, Desraj.	1908	B.Sc. (Punjab—'28) M.R.C.V.S. (London—'32) D.T V M. (Edinburgh—'34)	Since 1935 serving in the IAVO, specialised in veterinary science.	Pres.—Remount Vety. & Farm Corps, Army H.Q., New Delhi. Perm.— O/o Imperial Bank of India, New Delhi.	Deputy Director.	STA-G.
8807	Matheru, Balwant Singh. (Capt.)			For particulars, refer to S. No. ST. 8455 on page 996.			
8808	Mathur, Brijendra Kumar.	1927	G.B.V.C. (Bihar—'50)	2½ years work in the veterinary line.	Pres.—I/o Vety. Hospital, Doghat, Distt. Meerut. Perm.— C/o Dr. R.P. Mathur, Moh. Annadidas, Kannauj.	Vety. Asstt. Surgeon.	STO-G.
8809	Mathur, Charan Swaroop.	1927	B.V.Sc. & A.H. (Agra—'51)	Engaged in research on animal disease problems.	Pres.—Diseases & Pests Section, Livestock Research Station, Vety. College, Mathura. Perm.— Civil Lines, Ajmer.	Vety. Asstt. Surgeon.	R-G.
8810	Mathur, Rajendra Prasad.			For particulars, refer to S. No. ST. 8456 on page 996.			
8811	Maulick, Dev Raj.	1920	L.V.P. (Punjab—'48)	For 2 years worked in the O.V.D. Punjab. Now working in the army in the treatment of diseases of cattle & horses and meat inspection.	Pres.— Military Farm, Ahmednagar. Perm.— C/o R.V.F.C. Records, Meerut Cantt.	Vety. Asstt. Surgeon.	STO-G.
8812	Md. Shahamat Hussain.	1908	G.B.V.C. (Bengal—'27)	Since 1927 service in the veterinary line.	Pres.— Vety. Hospital, P.O. Arrah, District Shahabad. Perm.— Vill. & P.O. Jagdishpore, District Shahabad.	Vety. Asstt. Surgeon.	STO-G.
8813	Mehar Chand. (Capt.)	1912	L.V.P. (Punjab—'36)	From 1937-41 served in the O.V.D. Punjab. Now engaged in inspection of meat, fish, poultry & livestock and treatment of dairy cattle.	Pres.— Military Farm, Allahabad. Perm.— Vill. & P.O. Garhi, Distt. Kangra.	Vety. Officer.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8814	Mehra, Hari Kishan. (Lt./Col.)		For particulars, refer to S. No. ST. 8458 on page 996.				
8815	Mehra, Roshan Lal. (Capt.)	1907	L.V.P. (Punjab)	For 10 years served in the O.V.D. Punjab, now for the last 9 years serving in the army.	Pres.—'O' Coy, 2 AT Regt. ASC, O/o New Delhi 56 A.P.O. Perm.—Imperial Bank of India, Meerut Cantt.	Vety. Officer.	STO-G.
8816	Mehrotra, Gopal. Ram	1920	G.V.Sc. (Calcutta-'48)	10 years experience in the veterinary science.	Pres.— Vety. Hospital, Ghasipur. Perm.— O/o B. Bans Gopal Mehrotra, Mohalla Katara, Ajodhya, Distt. Faizabad.	Vety. Asstt. Surgeon.	STO-G.
8817	Mehrotra, Ramesh Lal.	1920	G.B.V.C. (Bihar-'44)	9 years service in the O.V.D. Bihar.	Pres.—Vety. Dispensary, P.O. Darigaon, Distt. Shahabad. Perm.— Mohalla Nawagarhi, Gaya.	Vety. Asstt. Surgeon.	STO-G.
8818	Mir Abdur Rahim.	1902	Dip. in Vety. Science. (Calcutta—'26)	From 1926-36 worked in the O.V.D. Bihar in different capacities. Since 1936 working as Incharge of Anatomy Dept. Bihar Vety. College.	Pres.— Bihar Vety. College, Patna. Perm.— Mohalla Sant Ghat, Naya Tola, P.O. Bettiah, Distt. Champaran.	Lecturer in Anatomy.	T-G.
8819	Mishra, Mahesh.	1929	B.V.Sc. (1952)	...	Pres.—C/o Principal, Vety. College, Jabalpur. Perm.— 457, Napier Town, Jabalpur.	Vety. Asstt. Surgeon.	STO-G.
8820	Mohammad Ibrahim.		For particulars, refer to S. No. ST. 8459 on page 996.				
8821	Mohammad Isa.	1897	G.B.V.C. (Bengal-'19)	34 years experience in the veterinary line especially medicine.	Pres.— Laheria Sarai, Darbhanga. Perm.—Vill. Koomkhwali, P.O. Kamtauli, Distt. Darbhanga.	Vety. Asstt. Surgeon.	STO-G.
8822	Mohammad Ishaque	1901	G.B.V.C. (Bengal)	30 years service in the veterinary department, now engaged in the inspection of veterinary institutions.	Pres.—Arrah, District Shahabad. Perm.—Vill. Khriband, P.O. Baijani, District Bhagalpur.	Vety. Inspector.	STO-G.
8823	Mohammad Masih- ussaman.	1930	G.B.V.C. (Bihar—'51)	...	Pres.—Mairwa, District Saraun. Perm.—O/o M.A. Waheed, P.O. Mahuwa, District Muzaffarpur.	Touring Vety. Asstt. Surgeon.	STO-G.
8824	Mohammad Nizam- uddin.		For particulars, refer to S. No. ST. 8460 on page 996.				
8825	Mohammad Nuriul Hasan.	1905	G.B.V.C. (Bengal)	...	Pres.— P.O. Sitamarhi, Distt. Muzaffarpur. Perm.—Vill. Rahimabad, P.O. Tajpur, District Darbhanga.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8826	Mohammed Sharif.	1906	G.B.V.O. (Bengal)	24 years professional experience including 8 years teaching work.	Pres.— Saharsa, Distt. Bhagalpur. Perm.—Mohalla Yehapur, P.O. Sheikhpora, Distt. Monghyr.	Vety. Asstt. Surgeon.	STO-G.
8827	Moham. Ram Narain.	1910	L.V.P. (Punjab—'31)	Since 1932 doing research work in animal diseases.	Pres.—Livestock Research Station, Mathura. Perm.— Do.	Vety. Investigation Officer.	R-G.
8828	Mohd. Abdullah Khan.		For particulars, refer to S. No. ST. 8462 on page 997.				
8829	Mohindar Singh. (Dept.)	1917	L.V.P. (Punjab—'39) B.V.Sc. (Punjab—'52)	For 3 years served in C.V.D. Punjab. Since 1942 serving in the army tendering advice for health & maintenance of army animals, treatment of sick & lame animals and meat inspection.	Pres.— Military Vety. Hospital, Bangalore. Perm.—110, Model Town, Jullundur.	Officer Commanding.	STO-G.
8830	Moinuddin Ahmad.	1917	G.B.V.C. (Bihar—'38) P.G. training in Vety. Science. (I.V.R.I., Mukteswar—'50)	15 years work in the veterinary line.	Pres.— P.O. Durgauti, Distt. Shahabad. Perm.— Mohalla Shewganj, P.O. Dehrion-Sone, Distt. Shahabad.	Touring Vety. Asstt. Surgeon.	STO-G.
8831	Mookarji, Krishnalal.		For particulars, refer to S. No. ST. 8464 on page 997.				
8832	Mukherjee, Basanta Kumar.	1901	G.B.V.O. (Bengal)	Since 1926 working in different capacities in the veterinary line. Now engaged in the inspection of dispensaries & hospitals, supervision of treatment of cases, etc., specialised in medicine and meat inspection.	Pres.—Purnea. Perm.—Thana Road, P.O. Dumka, Distt. Santhal Parganas.	Vety. Inspector.	STO-G.
8833	Mukherjee, Bhuma Ranjan.	1924	G.V.Sc. (Calcutta—'49)	...	Pres.— I/c Civil Vety. Hospital, Purwa, Distt. Unnao, U.P. Perm.—Vill. Bhabanandopur, P.O. Mahata, Distt. Burdwan.	Vety. Asstt. Surgeon.	STO-G.
8834	Mukherjee, Debangshu Bhushan.	1915	B.Sc. (Agra—'34) M.Sc. Phy. Chem. (Allahabad—'37) G.V.Sc. (Calcutta—'41)	From 1941-50 carried research work at the I.V.R.I. Izatnagar on the problems of veterinary physiology & biochemistry, animal nutrition, etc. Since 1950 teaching veterinary physiology, biochemistry and animal husbandry.	Pres.—Bihar Vety. College, Patna.	Asstt. Prof. of Physiology.	T-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8835	Mukherjee, Gopal Chandra.	1921	G.B.V.C. (Bihar-'44)	Since 1944 serving in the C.V.D. Bihar.	Pres.— P.O. Lalgapur, Distt. Muzaffarpur. Perm.—C/o Sri Gurudas Mukherjee, Asstt. Head Master, Durga Charan High School, Bhagalpur.	Touring Vety. Asstt. Surgeon.	STO-G.
8836	Mukherjee, Hirendra Kumar.	1917	G.V.Sc. (Calcutta-'40)	11 years service in different capacities in the veterinary line.	Pres.—Khanjarpur, P.O. Bhagalpur. Perm.— Do.	Staff Vety. Asstt. Surgeon.	STO-G.
8837	Mukherji, Abani Bhushan.	1908	G.B.V.C (Bengal-'29)	Since 1929 working in the veterinary line.	Pres.—P.O. Siwan, Distt. Chapra. Perm.— Kathalbari, Darbhanga.	Vety. Asstt. Surgeon.	STO-G.
8838	Mulliek, Mohammad Ahmad Khan.	1928	G V Sc. (Calcutta-'49)	...	Pres.—I/c Vety. Hospital, Kaimganj, District Farrukhabad. Perm.— Chah Sherin, Bijnor.	Vety. Asstt. Surgeon.	STO-G.
8839	Munshi Lal.	1925	G B.V.C. (Bihar-'49)	For 9 years did pathological work for diagnosis of animal diseases and since 1952 working in the veterinary medicine.	Pres.— I/c Civil Vety. Hospital, Najibabad. Perm.— Vill. Kunetha, P.O. Bakewar, District Etawah.	Vety. Asstt. Surgeon.	STO-G.
8840	Murkibhavi, Govind Ramrao.	...	G B V.C. (Bombay)	Animal radiology, veterinary medicine & surgery and teaching thereof.	Pres.— Bombay Vety. College, Bombay. Perm.— C/o N.D. Katti, Ramdeo Galli, Belgaum.	(a) Lecturer in Medicine (b) Hon'y. Vety. Surgeon (c) Radiologist for Animals.	T-G. STO-G.
8841	Mushtaq Husain.	1902	G.B.V.C. (Bengal)	...	Pres.—Machishhal, P.O. M. Shah, Distt. Jaunpur. Perm.—Vill. Phoolpure, P.O. Ramdiyalganj, Distt. Jaunpur.	Vety Asstt. Surgeon.	STO-G.
8842	Nedgir, Subbarao Ramrao.			For particulars, refer to S. No. ST. 8471 on page 998.			
8843	Nageshwar Prasad.	1922	G.B.V.C. (Bihar-'46)	8 years work in the veterinary line.	Pres.— P.O. Kamtaul, Distt. Darbhanga. Perm.—Vill. Pakhanjha, P.O. Ramgharwa, Distt. Champaran.	Vety. Asstt. Surgeon.	STO-G.
8844	Naik, Sitaram Keshav.	1915	G.B.V.C. (Bombay —'42)	For 5 years worked in the army.	Pres.— Garoth, District Mandsour. Perm.— 692, Badashiv Peth, Poona City.	Distt. Vety. Officer.	STO-G.
8845	Nair, Annath San-karan. (Dept.)	1914	G.V.Sc. (Calcutta-'36)	Engaged in treatment of sick animals.	Pres.—C/o D.A.D., R.V.F., 19 Div., 56 A.P.O., New Delhi. Perm.—295, Manedpally, Secunderabad.	Executive Vety. Officer.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8846	Nair, Krishan Prasad. (Ool.)	1912	M.R.C.V.S. (London —'39) D.T.V.M. (Edinburgh —'34)	Since 1935 serving in different capacities in the practice of veteri- nary science.	Pres.—Remounts, Veteri- nary and Farms, South- ern Command, Kirkee, Poona 3. Perm.— O/o Grindlays Bank Ltd., Simla.	Asstt. Director. (B.V.F.)	STA-G.
8847	Nakhasi, Lakshmi Nath.	1921	G.B.V.C. (Bombay —'44)	For 5 years worked in meat & milk inspection and since 1949 serving in the army looking after the animals.	Pres.— H.Q. Patiala Mountain Battery, C/o New Delhi 56 A.P.O. Perm.—Rainawari, Bagh Jogi Lankar, Srinagar.	Vety. Asstt. Surgeon.	STO-G.
8848	Nandi, Sambhu Nath.	1918	B.Sc. Hons. (Calcutta) B.Sc. Vety. Science. (London) M.R.C.V.S. (London) P.G. Helmithology. (Weybridge) P.G. from I.V.R.I. F.C.S (London)	Specialisation in animal pathology including reproductive pathology and sterility in Indian bovines, published papers on bovine haema- turia in Kalimpong.	Pres.— B.V. College, Belgachia. Perm.— 9, Hyat Khan Lane, Calcutta 9.	Professor & Research Offi- cer.	TB-G.
8849	Nanjish, Raja Dodda.	1916	B.Sc. (Mysore—'38) G.M.V.O. (Madras —'42) B.V.Sc. (Madras—'48) Ph.D. Bact. (Washing- ton—'49)	For 6 years worked in veterinary inspection and teaching medicine, now engaged in mastitis investigation and re- search (I.C.A.R. Scheme). Contributed paper on 'Incidence of Q fever in Eastern Washington'.	Pres.— Mysore Serum Institute, Hebbal, Ban- galore 6. Perm.— Do.	Mastitis Inves- tigation Offi- cer.	R-G.
8850	Naqvi, S.M. Shafsat.	1927	G.B.V.O. (Bihar—'49)	...	Pres.— I/o Vety. Hos- pital, Misrikh, District Sitapur. Perm.—C/o S. Ali Akhtar Khan, Gharyal Manzil, Moh. Guzri, P.O. Am- roha, Dist. Morad- abad.	Vety. Asstt. Surgeon	STO-G.
8851	Naqvi, Sayyid Shahenshah Hussain.	1913	G.B.V.O. (Bihar—'39)	Since 1939 serving in the veterinary line.	Pres.— I/o Sader Vety. Hospital, Banda. Perm.—O/o A.H. Shah, Advocate, Opp. Orphan- age, Gola Gunj, Luck- now.	Vety. Asstt. Surgeon.	STO-G.
8852	Narayana, Baldeva.	1908	G.R.V.O. (Bengal—'28)	Since 1928 working in the veterinary line, specialisation in filaria oculi & nasal granu- loma.	Pres.—Hajipur, Musaffarpur. Perm.— Vill. Jamin Kamtaul, P.O. Avant Kamtaul, Musaffarpur.	Vety. Asstt. Surgeon.	STO-G.
8853	Narula, M.C.	1903	G.P.V.O. (Punjab—'28)	For 4 years served as Diatt. Vety. Officer and since 1927 serving in the army, experience in veterinary science.	Pres.— R.V.F.O. Centre & School, B.I. Lines, Meerut Cantt. Perm.— C/o D.R.V.F., Q.M.G's. Branch, Army H.Q., D.H.Q. P.O., New Delhi 11.	Chief Instruc- tor.	T-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8854	Nayar, Pallavur Natuvakat Parameswaran.	1915	G.M.V.O. (Madras) B.V.Sc. (Madras—'40)	Since 1940 mainly doing laboratory work in bacteriology and pathology.	Pres.—No. 2, Command Vety. Laboratory, Poona 1. Perm.—Tankview, P.O. Pallavur, Palghat, Malabar.	Officer Commanding.	STO-G.
8855	Nayar, Ram Kanwar.	1915	B.Sc. (Punjab—'36) M.R.O.V.S. (England—'41)	Experience in veterinary surgery and laboratory work.	Pres.— H.Q. Bombay Area, Bombay. Perm.—C/o Director, Remount, Vety. & Farms, Army H.Q., New Delhi 11.	Deputy Asstt. Director, (R.V.F.)	STA-G.
8856	Nayudu, Chandu Sasibhusnau.	1929	B.V.Sc. (Madras—'51)	Doing research work on bovine lymphangitis.	Pres.—21, M.V.O. Hostels, Veppery, Madras 7. Perm.— Radio Hospital, Cuddapah, Madras State.	Research Scholar.	R-S.
8857	Negi, Gajendra Singh.	1925	G.B.V.C. (Bihar—'48)	5 years of hospital and tour work in veterinary medicine and surgery.	Pres.—I/o Vety. Hospital, Joshimath, Distt. Garhwal. Perm.— Vill. Kulhar, P.O. Banghat, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8858	Palsule, Ramkrishna Sudashiv.	1916	G.B.V.C. (Bombay—'39) P.G. from I.V.R.I. (Mukteswar)	13 years service in the C.V.D. besides service in army.	Pres.— Rajgarh, Biora, M.B. Perm.—C/o S.S. Palsule, 185, Shukrawar Peth, Poona City.	Distt. Vety. Officer.	STO-G.
8859	Panday, Shantanu Kumar.	1932	G.B.V.C. (Bihar)	...	Pres.— Nawada, Distt. Gaya. Perm.— Vill. & P.O. Manikpur, via Buxar, Distt. Shahabad.	Touring Vety. Asstt. Surgeon.	STO-G.
8860	Pande, Pandit Gajan.	1905	B.Sc. Hons. (Allahabad—'27) M.Sc. Zoology. (Allahabad—'28) M.R.O.V.S. (London—'32)	From 1933-47 served as Vety. Inspection Officer, Research Officer, etc. and from 1947 to-date engaged in teaching & research work concerning animal pathology, bacteriology & parasitology, contributed a number of articles on the same.	Pres.— U.P. College of Vety. Science & A.H., Mathura. Perm.— Vill. & P.O. Shikher, Distt. Mirzapur.	Principal.	TR-G.
8861	Pandey, Prasad.	1918	G.B.V.C. (Bihar—'48)	Since 1948 doing field & hospital work in veterinary medicine and surgery.	Pres.— Bhathat Bazar, Gorakhpur. Perm.—Mohalla Kazipur Khurd, Gorakhpur.	Vety. Asstt. Surgeon.	STO-G.
8862	Pandey, Datta.	1921	G.V.Sc. (Calcutta—'44)	Since 1944 working in the veterinary department.	Pres.— Jansath, Distt. Muzaffarnagar. Perm.—C/o Ganesh Datta Pandey, Vill. & P.O. Alipore Khera, Distt. Mainpuri.	Vety. Asstt. Surgeon.	STO-G.
8863	Pandey, Ram Yash.			For particulars, refer to S. No. ST. 8479 on page 998.			

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8864	Pandeya, Pandit Bindhyeshwari Dutta.	1980	G.B.V.O. (Bihar-'52)	...	Pres.—P.O. Bahera, Distt. Darbhanga. Perm.— C/o Pandit Kamta Pd. Pandeya, Moh. Daulatganj, P.O. Chapra, Distt. Saran.	Touring Vety. Asstt. Surgeon.	STO-G.
8865	Pandita, J.L.		For particulars, refer to S. No. ST. 8480 on page 998.				
8866	Pansare, Gangaram Yeshwant.	1916	B.Sc. (Bombay—'39) G.B.V.O. (Bombay—'46)	7 years teaching work of veterinary science.	Pres.— Vety. Training School, Shivpuri, Fatehpur, M.B. Perm.—182, Nihalpura, Indore City.	Head Master,	T-G.
8867	Pant, Kumar, Krishna	1931	B.V.Sc. & A.H. (Agra—'52)	...	Pres.—I/c Vety. Hospital, Pithoragarh, District Almora. Perm.—Chandni Chowk, Almora.	Vety. Asstt. Surgeon.	STO-G.
8868	Pataskar, Govind Keshaw	1906	G.B.V.O. (Bombay—'32) P.G. training. (I.V.R.I., Mukteswar—'42)	16 years experience in the veterinary line especially canine practice.	Pres.— Vety. & A.H. Services, M.B. Govt., Dewas. Perm.— 510, Sadashiv, Poona 2.	Distt. Vety. Officer.	STO-G.
8869	Pathak, Mangala Charan.	1920	G.B.V.O. (Bihar—'41)	Since 1941 working in the O.V.D. Bihar.	Pres.— P.O. Raxaul, Distt. Motibari. Perm.—Vill. Birampur, P.O. Kayamnagar, Distt. Shahabad.	Touring Vety. Asstt. Surgeon.	STO-G.
8870	Pathak, Padmakar Nilkanthrao.	1930	B.V.Sc. (Saugor—'52)	...	Pres.—Medicine Section, Vety. College, Jabalpur. Perm.—C/o Shri N.A. Pathak, P.O. Arvi, Distt. Wardha.	Vety. Asstt. Surgeon.	STO-G.
8871	Pathak, Ramchandra Chandra.	1929	B.V.Sc. & A.H. (Agra)	Teaching, research and investigation work of diagnostic value.	Pres.—U.P. College of Vety. Science & A.H., Mathura. Perm.— Do.	Demonstrator.	T-G.
8872	Patil, Ramchandra Daji.	1915	Dip. in Vety. Science. (Bombay—'45)	For 6 years worked as Vety. Asstt. Surgeon. Now engaged in the production of vaccine and research in the virus section.	Pres.— Madhya Bharat Vaccine & Research Inst., Gwalior. Perm.—Shinde Building, Khasabag, Kolhapur City.	Research Asstt.	STO-G.
8873	Peter, Chunnath Tharappen.	1919	B.Sc. (Madras—'40) G.M.V.O. (Madras—'45) B.V.Sc. (Madras—'46) M.Sc. Vety. Parasitology. (Madras—'49)	Teaching & guiding research in veterinary helminthology.	Pres.—I.V.R.I., Izatnagar. Perm.—Vaiserry, Kunnamkulam, T.C.	Asstt. Research Officer.	TR-G.
8874	Phadke, Shripad Purushottam.	1921	G.B.V.O. (Bombay—'49) Training in Bact. (I.V.R.I., Mukteswar)	Since 1948 working in different capacities including 8½ years service in the IAVO. For the last 6 years doing survey and treatment of mastitis cases.	Pres.—Bact. Lab., Vety. College, Bombay. Perm.—392, Shukrawar Peth, Poona 2.	Research Asstt (Mastitis Scheme)	R-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8875	Pillai, Thanu Ram.	1911	G.B.V.C. (Bengal-'33)	17 years army service in the veterinary line.	Pres.—I/c Military Farm, Hebbal, Bangalore. Perm.— Puthan Veedu, Kunnerkuzhi, P.O. Trivandrum.	Vety. Officer.	STO-G.
8876	Pramanik, Lalji Ram.	1906	G.B.V.C. (Bengal-'28)	Since 1928 serving in the C.V.D. Bihar.	Pres.—P.O. Begusarai, Perm.— P.O. Rajmahal, Distt. Santal Parganas.	Vety. Asstt. Surgeon.	STO-G.
8877	Prasad, Braj Mohan.		For particulars, refer to S. No. ST. 8489 on page 999.				
8878	Prasad, Brij Nandan.	1919	G.B.V.C. (Bihar—'43)	Since 1943 working in the C.V.D. Bihar includ- ing 8 years in the army. ..	Pres - P.O. Simri, Bak- tiarpur, Distt. Mognhyr. Perm — Vill. Karma, P.O. Zulipur Madan- ganj, Distt. Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
8879	Prasad, Hareshwari.	1926	G.B.V.C. (Bihar—'46)	3 years teaching work and 4 years of field work.	Pres.—P.O. Katras, Distt. Manbhumi. Perm.— C/o B. Kuldip Sahai, Amlatoli, P.O. Daltonganj, Palamau.	Touring Vety. Surgeon.	STO-G.
8880	Prasad, Krishna Murari.	1919	G.B.V.C. (Bihar—'44)	9 years experience of the veterinary profession especially surgery.	Pres.— P.O. Masourhi, Distt. Patna. Perm.—Moh. Nadraganj, Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
8881	Prasad, R.A.	1912	G.B.V.C. (1932)	17 years service in the veterinary line.	Pres.—P.O. Tekare, Gaya. Perm.—Piparpauli, Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
8882	Prasad, R.D.	1913	Dip. Vety. Science. (Patua—'34) P.G. training in Animal Husbandry (Izatnagar)	For the last 18 years working in the veteri- nary line.	Pres.— P.O. Katihar, Distt. Purnei, Bihar. Perm.— Vill. & P.O. Garhwa, Distt. Palamau, Bihar.	Vety. Asstt. Surgeon.	STO-G.
8883	Prasad, Ram Lall.	1899	Dip. in Vety. Science. (Calcutta—'24)	29 years service in the veterinary line.	Pres.—I/c. Vety. Hospital, Chapra, Distt. Saran. Perm.—Moh. Dahlawan, P.O. Chapra.	Vety. Asstt. Surgeon.	STO-G.
8884	Prasad, Shiva Mangal.		For particulars, refer to S. No. ST. 8492 on page 1000.				
8885	Punekar, Yeshavant- rao Krishnaji.	1919	B.Sc. (Bombay—'42) G.B.V.C. (Bombay —'45)	For 6 years served in the army, now for the last 2 years serving in the C.V.D., M.P.	Pres.— Vety. Hospital, Basoda, Distt. Bhilao. Perm.— C/o Krishnaji Ramaji Punekar, Shiva- ji Chauk, Kagal, Distt. Kolhapur.	Vety. Officer.	STO-G.
8886	Purohit, Balkrishna Laxmikant.	1924	G.B.V.C. (Bombay —'47)	5 years teaching work in animal histology & pathology.	Pres.— Bombay Vety. College, Patel, Bombay 19. Perm.— Do.	Asstt. Profes- sor.	T-G.
8887	Purohit, Janardan.	1918	G.B.V.C. (Bihar-'39) Training in Artifi- cial Insemination. (Mathura)	14 years service expe- rience in clinical, field, curative and prophylac- tic work.	Pres.— Hempur, P.O. Kashipur, Distt. Naini- tal. Perm.— Vill. Haruli, P.O. Chamnaum, Distt. Garhwal.	Vety. Inspector.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8888	Purohit, Kulanand.	1926	G.M.V.C. (Madras —'49)	4 years service in the veterinary line.	Pres.—I/c Vety. Hospital, Hasanpur, District Moradabad. Perm.— Kimanl, P.O. Tharali, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8889	Purushotham, R.M.	1900	Dip. in Vety. Science. (Bombay—'25)	2 years field work and 96 years work in the preparation of various biological products & research thereof.	Pres.— Mysore Serum Institute, Hebbal, Bangalore. Perm.— Do.	Bacteriological Assistant.	R-G.
8890	Qadir Buksh.		For particulars, refer to S. No. ST. 8498 on page 1000.				
8891	Qidwai, Husain. Syied	1910	G.B.V.C. (Bengal)	About 21 years service in the veterinary line.	Pres.—Sitapur. Perm.— Dewa Sharif, Distt. Bera Banki.	Distt. Live- stock Officer.	STO-G.
8892	Quraishi, Khurshid Ahmed.	1915	G.B.V.C. (Bengal)	15 years experience of field and hospital work in the veterinary line.	Pres.— I/c Veterinary Hospital, Ferozabad, Distt. Agra. Perm.— Nishat Manzil, Below Kennora, Mussoorie, Distt. Dehra Dun.	Vety. Asstt. Surgeon.	STO-G.
8893	Raghavan, R. Sri- nivasa.	1931	B.V.Sc. (Osmania—'59)	...	Pres.— Vety. College, Osmania University, Hyderabad. Perm.—A/6 842, Chappai Bazar, Hyderabad.	Lecturer in Path. & Bact.	T-G.
8894	Raghubar Singh.	1923	G.V.Sc. (Patna—'46)	Epidemic control, treatment and development of livestock.	Pres.— Civil Vety. Hospital, Mirzapur Sadar, Distt. Mirzapur. Perm.—Vill. & P.O. Ibrahimabad, Distt. Ballia.	Vety. Asstt. Surgeon.	STO-G.
8895	Raghunath Prasad.	1910	G.B.V.C. (Bihar—'34)	Since 1937 serving in C.V.D. Bihar, experience in the treatment of bovines & equines, production of goat blood & tissue virus and its use in the field.	Pres.—P.O. Godda, Distt. Senthal Parganas. Perm.— Vill. Sureyair, P.O. Hussasinganj, Distt. Banan.	Touring Vety. Asstt. Surgeon.	STO-G.
8896	Raghuvanshi, Ranbir Singh.		For particulars, refer to S. No. ST. 8494 on page 1000.				
8897	Rai, Krishna Mohan.	1922	G.V.Sc. (Calcutta—'46)	Looking after the treatment, control of contagious diseases, livestock breeding, etc.	Pres.— Rath, District Hamirpur. Perm.—S4, Ganesh Gunj, Lucknow.	Vety. Asstt. Surgeon.	STO-G.
8898	Rai, Mit Singh. (Major)		For particulars, refer to S. No. ST. 8495 on page 1000.				
8899	Rai, Phulens.	1998	B.V.Sc. & A.H. (Agra —'52)	...	Pres.— I/c Civil Vety. Hospital, P.O. Shankar Garh, Distt. Allahabad. Perm.—Vill. Paharpur, P.O. Barpar, District Deoria.	Vety. Asstt. Surgeon	STO-G.

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S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8900	Rai, Shiva Nand.			For particulars, refer to S. No. ST. 8496 on page 1000.			
8901	Raikar, Rambhai Khanderao.	1919	G.B.V.O. (Bombay —'45)	From 1945-47 worked in different capacities and since 1947 engaged in teaching physiology, biochemistry and radiology at the hospital.	Pres.— Bombay Vety. College, Parel, Bombay 12. Perm.—B.D.D. Chawla, Naigaum, Dadar, Bombay 14.	Lecturer.	T-G.
8902	Rains, Janki Nath.	1921	G.B.V.O. (Bombay —'40)	Serving in the army, experience in equine diseases.	Pres.—O/o No. 2, J. & K. Vety. Hospital, New Delhi 56 A.P.O. Perm.— Bagh-i-Sunder, Chatabal, Srinagar.	Vety. Officer.	STO-G.
8903	Rains, Radhakishen. (Capt.)	1909	L.V.P. (Punjab) Training in milk & meat inspection. (Lahore—'84)	18 years service in the army.	Pres.— O/o No. 2, J. & K. Vety. Hospital, New Delhi 56 A.P.O. Perm.— Karan-Nagar, Srinagar, Kashmir.	Vety. Officer.	STO-G.
8904	Rains, Radhakrishen.	1927	B.A. (Punjab) B.V.Sc. (Madras)	...	Pres.—O/o Civil Vety. Department, Srinagar.	Vety. Asstt. Surgeon.	STO-G.
8905	Rajan, Muthuswamy Sundara.	1909	G.M.V.C. (Madras—'33) Course in Poultry, Pigs and Rabbits. (Bangalore—'45)	Meat inspection, treatment of equines, laboratory work and preservation of stores.	Pres.— Armed Forces Medical Stores Depot, Sewri, Bombay 15. Perm.—C/o Major M.N. Rajan, 2, Gokhale Road, P.O. Tallakulam, Madurai.	Vety. Asstt. Surgeon.	STO-G.
8906	Raj Kumar.	1912	G.B.V.O. (Bihar—'40)	5 years work in sheep grading and now doing artificial insemination work.	Pres.—Key Village Centre, Vety. Officer, Civil Veterinary Hospital, Sultanpur. Perm.— Vill. Bondhi, P.O. Kheta Sarai, Distt. Jaunpur, U.P.	Vety. Officer.	STO-G.
8907	Rajkumar, Samarth Singh.	1916	Dip. in Vety. Science. (Calcutta—'41) Advance training in artificial insemination and physiopathology of reproduction. (Izatnagar —'52)	From 1941-52 served as Veterinary Assistant Surgeon, now doing artificial insemination work.	Pres.—I/o Key Village Block, Jaunpur. Perm.—Vill. Harishaloi, P.O. Deora, Distt. Sultanpur.	Vety. Officer.	STO-G.
8908	Ram Autar Singh.			For particulars, refer to S. No. ST. 8497 on page 1000.			
8909	Ramdeo Prasad.	...	G.B.V.C. (Bengal)	27 years service in the C.V.D. Bihar.	Pres.— Motihari, Distt. Champaran. Perm.— Vill. Persauni, P.O. Damodarpur, Distt. Champaran.	Vety. Asstt. Surgeon.	STO-G.
8910	Rameshwar Dayal.	1924	G.B.V.O. (Bihar)	5 years service in the veterinary line.	Pres.—I/o Vety. Hospital, Alliganj, Distt. Etah. Perm.— Vill. Kaluapur, P.O. Manjhana, Distt. Farrukhabad.	Vety. Asstt. Surgeon.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8911	Ram Prakash.	1927	B.V.Sc. & A.H. (Agra)	Doing field work concerning veterinary science.	Pres.— I/c Civil Vety. Hospital, Hastinapur, Distt. Meerut. Perm.—O/o Deputy Director, Animal Husbandry, Meerut.	Vety. Doctor.	STO-G.
8912	Ranbir Singh.	1909	L.V.P. (Punjab)	20 years service in the IAVC.	Pres.— Military Vety. Hospital, Meerut. Perm.— Vill & P.O. Farmana, Distt. Rohtak.	Officer Commanding.	STO-G.
8913	Rangan, R. Srinivasa.	1911	G.M.V.C. (Madras '33) P.G. training in goat virus production & artificial insemination. (I.V.R.I.)	From 1933-52 served in different capacities and 1952 to-date doing teaching work. Specialised in vaccine production, breeding operations, veterinary surgery and general treatment of animals.	Pres.— Vety. College, Jabalpur. Perm.— Bapurajapuram, via Swamimalai, Distt. Tanjore.	Asstt. Prof. of Surgery.	T-G.
8914	Rao, Bellary Srinivas Venkoba.	1910	G.M.V.C. (Madras '32) Trained in X-ray & Electro-therapeutics. (Lucknow—'49)	3 years in general veterinary work, 8 years in field work and 3 years in teaching animal management besides surgery & radiology work.	Pres.— U.P. College of Vety. Science & A.H., Matburn. Perm.— C/o Y.R. Rao, 29/1, Nagasandra Road, P.O. Basavangudi, Bangalore 4.	Hospital Surgeon - cum- Radiologist.	T-G. STO-G.
8915	Rao, Brahmadeo.	1925	G.B.V.C. (Bihar—'47)	6 years service in the veterinary profession.	Pres.— P.O. Mashrak, Distt. Saran. Perm.— Vill. Sataba, P.O. Nowadih, via Gobindganj, District Champaran.	Touring Vety. Asstt Surgeon.	STO-G.
8916	Rao, N.S. Krishna.	1910	B.A. (Mysore—'29) L.V.P. (Punjab—'33) Ph.D. Parasitology. (McGill—'50)	For the last 10 years doing research & field work in veterinary parasitology, publications in helminthology.	Pres.— Mysore Serum Institute, Hebbal, Bangalore-6. Perm.— Do.	Parasitologist.	R-G.
8917	Rawat, Khushal Singh.	1929	G.B.V.C. (Bihar—'50)	2½ years service in the veterinary line.	Pres.— I/c Civil Vety. Hospital, Khatema, Distt. Nainital. Perm.— Vill. Binadhar, P.O. Pokhara, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.
8918	Rawat, Ram Singh.			For particulars, refer to S. No. ST. 8501 on page 1001.			
8919	Ray, Timir Kumar.			For particulars, refer to S. No. ST. 8502 on page 1001.			
8920	Raza, Kazi Ali.	1912	G.V.Sc. (Calcutta—'36)	Manufacture and research in veterinary biological products.	Pres.— Biological Products Section, Badshah Bagh, Lucknow. Perm.— Vill. Bani, P.O. Sidhaul, Distt. Sitapur.	Serologist.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technician qualifications	Experience	Address (s)	Present post	Remarks
8921	Reddy, D. Bhim.	1980	B.V.Sc. (Osmania-'52)	...	Pres.— Vety. College, Osmania University, Hyderabad. Perm.— P.O. Gandeek, Distt. Mahabubnagar.	Lecturer in Surgery.	T-G,
8922	Rizvi, Abul Hasan.	1920	Dip. in Vety. Science (Patna—'45)	.	Pres.— I/o Vety. Hos- pital, Gangoh, District Saharanpur. Perm.—Vill. Saidpur, P.O Saifullahaganj, Distt. Sultanpur.	Vety. Asstt. Surgeon.	STO-G.
8923	Rizvi, Salyed Raz- uddin.	1927	G.B.V.C. (Bihar)	...	Pres.—C/o Asstt. Director, Vety. Services Sub- Range, Bhagalpur. Perm.—C/o Salyed Ley- quet Hussain, Com- pounder, D.B. Hospital, P.O. Rafiganj, Gaya.	Vety. Asstt. Surgeon.	STO-G.,
8924	Rizvi, Salyid Abrar Hasan.		For particulars, refer to S. No. ST. No. 8508 on page 1001.				
8925	Roshan Lall.	1929	B.Sc. (Punjab) B.V.Sc. (Punjab)	...	Pres.— Path. & Bact. Division, I.V.R.I., Mukteswar-Kumaon. Perm.—8B, Ashoka Qtrs., Begum Bagh, Meerut.	Research Asstt.	R-G.
8926	Roy, Bibhuti Narain.	1917	G.B.V.C. (Bihar—'44)	Since 1944 serving in the veterinary department U.P.	Pres.— I/c Vety. Hos- pital, P.O. Katchana, Distt. Allahabad. Perm.— Vill. Deoria, P.O. Zamania, District Ghazipur, U.P.	Vety. Asstt. Surgeon.	STO-G.
8927	Roy, Nirmal Chandra.	1918	G.V.Sc. (Calcutta)	Did laboratory work for $1\frac{1}{2}$ years in the veteri- nary vaccine section, C.V.D. Bengal and $10\frac{1}{2}$ years in the treatment of different types of cases in army hospitals.	Pres.— M. T. 16, General Staff Branch, Army Headquarters, New Delhi 11. Perm.—C/o Shri S.C. Roy, 14, Patal Babu Road, Bhagalpur.	...	STO-G.
8928	Sachdeva, Baldev.	1929	B.V.Sc. (Punjab)	2½ years service in the veterinary profession.	Pres.—I/c Vety. Hospital, Mowana, Distt. Meerut. Perm.—D/165, Karnal.	Vety. Asstt. Surgeon.	STO-G.
8929	Sahaya, Gopi Nath.	1916	Dip. in Vety. Science. (Bombay—'40)	Over 12 years work in different branches of veterinary science espe- cially surgery and obstetrics.	Pres.— I/c Dispensary, Kulgam, Kashmir.	Vety. Asstt. Surgeon.	STO-G.
8930	Sahal, Deoki Nandan.	1917	Dip. in Vety. Science. (Patna—'39)	18 years service in the C.V.D. Bihar.	Pres.— North Bihar Range, Muzaffarpur. Perm.—Vill. Biobbison, P.O. Pawar, District Shahabad.	Laboratory Asstt. Surgeon.	STO-G.
8931	Sahaya, Nandan, Vijaya	1923	G.B.V.C. (Bihar—'44)	Since 1944 working in treatment of livestock diseases and prevention of epidemics.	Pres.—Vill. & P.O. Bihta, Distt. Patna. Perm.— Vill. & P.O. Surajpura, Distt. Shah- abad.	Touring Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8932	Sabni, Dev Raj. (Lt./Col.)	1909	M.R.C.V.S. (London)	Since 1926 working in the veterinary science.	Pres.— C/o D.R.V.F., Q.M.G's. Branch, Army H.Q.s., New Delhi. Perm.— 68, Man Nagar, New Delhi.	Asstt. Director, (R.V.F.O.)	STA-G.
8933	Sahoo, Sri Kanta.	1908	G.B.V.C. (Bengal)	Since 1926 working in the treatment of bovine, canine and equine cases.	Pres.— P.O. Sirnukella Town, Distt Singhbum. Perm.— Do.	Touring Asstt. Surgeon.	STO-G.
8934	Sakku Bai, P. (Miss)	1931	B.V.Sc. (Madras)	...	Pres.— Path. & Bact. Division, I.V.R.I., Mukteswar-Kumaon, Distt. Nainital. Perm.— C/o Sri Paturi Seshaih, Gopavaram, Nuzvid Taluk, Distt. Kistna.	Research Asstt.	R-G.
8935	Saksena, C.S.	1918	G.V.Sc. (Calcutta-'42)	11 years experience in the profession especially medicine & surgery.	Pres.— Civil Vety. Hospital, Distt. Gonda. Perm.— Vill. & P.O. Kuraoli, Distt. Mainpuri.	Vety. Asstt. Surgeon.	STO-G.
8936	Saksena, Pitambar Das. (Major)	1918	B.Sc. (Agra—'36) M.R.C.V.S. (London —'41)	Since 1942 service in the army concerning field, hospital and administrative work.	Pres.— Remount Depot, Saharanpur. Perm.— C/o D.R.V.F., Army Headquarters, Q.M.G. Branch, New Delhi.	Vety. Officer.	STO-G.
8937	Saksena, Raghubans Sahai.	1917	G.V.Sc. (Calcutta-'38) Training in artificial insemination. (Mathura—'52)	Since 1938 doing disease investigation work, manufacture of rinderpest & goat tissue virus vaccine and control of livestock contagious diseases.	Pres.— Central Dairy Farm, Aligarh. Perm.— Vill. Gandhar, P.O. Kauth, Shahjahanpur.	Vety. Officer.	STO-G.
8938	Saksena, Rameshwar Nath.	1926	B.Sc. (Agra—'46) B.V.Sc. & A.H. (Agra —'52)	...	Pres.— I/c Civil Vety. Hospital, Karwi, Banda. Perm.— C/o Capt. S.N. Saksena, Sing's Gali, Agra.	Vety. Asstt. Surgeon.	STO-G.
8939	Saksena, Sartaj Bahadur.	1929	G.B.V.O. (Bihar-'46)	Since 1946 serving in the veterinary department, experience in the treatment, diagnosis and operations involved in the profession.	Pres.— I/c Civil Vety. Hospital, Raya, Distt. Mathura. Perm.— C/o Sri Brij Raj Bahadur Saksena, Tokia Maula Shah, Prem Nagar, Bareilly	Vety. Asstt. Surgeon.	STO-G.
8940	Sama, Bhagwandas.	1901	G.P.V.C (Punjab-'21)	Since 1929 working in the veterinary line.	Pres.— Karera, Distt. Shivpuri, M.B. Perm.— C/o Atmaram Chopra, Mishri Bazar, Patiala.	Vety. Asstt. Surgeon.	STO-G.
8941	Samuel, Zeoberiah Navaratnam.	1913	G.M.V.O. (Madras —'40)	From 1941-45 worked as Asstt. Supdt. Slaughter Houses and 1945 to-date serving in the army, experience in farms work.	Perm.— Lotus House, P.O. Kodaikanal, Madras Presidency.	Vety. Asstt. Surgeon.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8943	Samyal, Hoshbir Singh.		For particulars, refer to S. No. ST. 8507 on page 1001.				
8943	Sandhu, Bal Singh. (Major)	1909	B.V.Sc. (Punjab-'51)	Since 1931 serving in the army.	Pres.— HQ, 25 INF Division, C/o New Delhi 56 A.P.O. Perm.—Vill. Churhwali, P.O. Adampur, Distt. Jullundur.	Deputy Asstt. Director. (R.V.F.)	STO-G.
8944	Sandhu, Meher Singh.	1909	B.V.Sc. (Punjab-'52)	Since 1934 serving in the army looking after bovines and equines, specialised in surra work.	Pres.—20 C, Cross Road, Dehra Dun. Perm.— C/o Malva Trading Co., Sangrur, PEPSU.	Officer Commanding.	STO-G.
8945	Sankaram, K.S.	1902	G.M.V.C. (Madras—'24) P.G. from I.V.R.I. (Mukteswar—'42) P.G. Virus technique. (Mukteswar—'46)	Extensive experience in the veterinary line including teaching work in pathology, bacteriology, parasitology and medicine. Published articles on the behaviour of rinderpest virus.	Pres.— Bihar Vety. College, Patna.	Lecturer in Medicine.	T-G.
8946	Saran, Rajya Bhagwan.	1924	B.Sc. (Agra—'45) G.B.V.C. (Bihar—'49)	3 years of teaching anatomy.	Pres.— Vety. College, Muzhara. Perm.—Holi Gate, Etah.	Demonstrator in Anatomy.	TR-G.
8947	Saran, Swami.	1901	G.B.V.C. (Bengal—'23)	22 years service in the veterinary line especially touring work.	Pres.— Vety. Hospital, Gaya. Perm.—Vill. & P.O. Musapur, Distt. Darbhanga.	Vety. Asstt. Surgeon.	STO-G.
8948	Sarkar, Radharaman.	1900	G.B.V.C. (Bengal—'23)	31 years service in the veterinary profession.	Pres.—Moseaffarpore. Perm.—P.O. Forbesganj, Distt. Purnea.	Vety. Asstt. Surgeon.	STO-G.
8949	Sawhney, Tilak Raj.	1909	G.B.V.C. (Bombay—'32) Training in advance course in animal husbandry. (I.V.R.I., Izatnagar—'45)	Service as Incharge of different dispensaries in the J & K. State.	Pres.—Udhampur Divn., P.O. Udhampur, J. & K. State. Perm.—Krishan Nagar, College Road, Jammu-Tawi.	Distt. Vety. Inspector.	STO-G.
8950	Saxena, H.H.P.	1930	B.V.Sc. & A.H. (Agra)	...	Pres.— I/c Civil Vety. Hospital, Sandila, Distt. Hardoi. Perm.—C/o Shri Hanuman Prasad Saxena, Senior Entomological Asstt., Dept. of Agriculture, Nawabganj, Kanpur.	Vety. Asstt. Surgeon.	STO-G.
8951	Saxena, Narendra Bahadur.	1922	G.B.V.C. (Bihar—'44) Trained in artificial insemination.	8 years service in the veterinary line.	Pres.—Budaun. Perm.— Mohalla Kwnarpur, Bareilly.	Vety. Asstt. Surgeon.	STO-G.
8952	Saxena, R.P.	1928	B.V.Sc. & A.H. (Agra)	...	Pres.—I/c Vety. Hospital, Gola-Kheri. Perm.— C/o Sri Pratap Bahadur Saxena, Near Old Wine Shop, Koharapir, Bareilly.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8953	Sayal, Narendra Nath. (Capt.)			For particulars, refer to S.No. ST. 8512 on page 1002.			
8954	Sekheran, M.G.	1905	L.V.P. (Punjab—'30)	18 years experience in veterinary research work, engaged in the production of anti-tetanic vaccine & anthrax septicin vaccine and in investigations for further improvements in the products.	Pres.— Mysore Serum Inst., Hebbal, Bangalore 6.	Asstt. Vety. Research Officer.	R-G.
8955	Sethi, Ram Kishan. (Col.)	1907	M.R.C.V.S. (U.K.)	...	Pres.— Headquarters, Eastern Command, Ranchi.	Asstt. Director. (R.V.F.O.)	STA-G.
8956	Shah, Syed Mohd. Husain.	1920	B.Sc. (Punjab—'39) M.R.C.V.S. (London—'44)	Service in the IAVC for 2 years, in U.P. Government for 3 years and Vety. College for 4 years.	Pres.—U.P. Vety. College, Mathura. Perm.— 14, Cariappa Road, Mathura Cantt.	Prof. of Materia Medica.	T-G.
8957	Sheikh Ali Mohammad,	1926	G.B.V.O. (Bihar—'49)	3½ years service in the veterinary line.	Pres.—P.O. Imamganj, Distt. Gaya. Perm.—VIII Ammatikar, P.O. Latehar, District Palamau.	Touring Vety. Asstt. Surgeon.	STO-G.
8958	Sheikh, Jannat Hossain.	1906	G.B.V.C. (Bengal—'28)	Service experience in the veterinary line especially medicine.	Pres.—Nawada. Perm.— Vill. Rajpur, P.O. Sabour, District Bhagalpur.	Vety. Asstt. Surgeon.	STO-G.
8959	Shakoor, Mohammad Abdul.	1915	G.B.V.O. (Bihar—'39) Trained in artificial insemination. (Mathura)	From 1934-41 worked in the hospital, 1941-44 in the manufacture of vaccine lymph, 1944-52 in the manufacture of rinderpest vaccine and 1953 to-date in the administrative control of hospitals.	Pres.—Farrukhabad. Perm.—Qamar Building, Idratnagar, Dalliganj, Lucknow.	Vety. Inspector.	STO-G.
8960	Sharma, Banshi Dhar.	1926	G.B.V.O. (Bihar—'50)	8 years work in the treatment of animal diseases.	Pres.—P.O. Trebeniganj, Distt. Bhagalpur. Perm.— Vill. Baligaon, P.O. Rajpur, District Shahabad.	Touring Vety. Asstt. Surgeon.	STO-G.
8961	Sharma, Bhudeo.	1923	G.B.V.O. (Bihar)	7 years service in the veterinary department.	Pres.—Budhana, District Muzaaffarnagar. Perm.—C/o Shri Lakshmi Chand Sharma, Vakil, Igles Proper, District Aligarh.	Vety. Asstt. Surgeon.	STO-G.
8962	Sharma, Ekadash Singh.	1908	G.B.V.O. (Bengal—'29)	94 years work in the veterinary line.	Pres.— P.O. Bhahua, Distt. Shahabad. Perm.— Vill. & P.O. Mahshera, Distt. Monghyr.	Vety. Asstt. Surgeon.	STO-G.
8963	Sharma, Gian Chand.			For particulars, refer to S. No. ST. 8515 on page 1002.			
8964	Sharma, Jaibhagwan.			For particulars, refer to S. No. ST. 8516 on page 1002.			

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (a)	Present post	Remarks
8965	Sharma, Jugeshwar.	1931	G.B.V.O. (Bihar-'51)	2 years service in the profession.	Pres.— Vety. Hospital, Buxar, Distt. Shahabad. Perm.— Vill. Sonbhadrā, P.O. Karpi, Distt. Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
8966	Sharma, K.M.L.	1930	B.V.Sc. & A.H. (Agra —'51)	Veterinary medicine, bacteriology and pathology.	Pres.— C/o Dy. Director, Animal Husbandry, Bareilly. Perm.— C/o Pt. B.R. Tanguriya, Accountant, Head Post Office, Mainpuri.	Vety. Asstt. Surgeon.	STO-G.
8967	Sharma, Narendra Kumar.	1917	G.B.V.O. (Bihar-'40)	Since 1940 doing touring work in the veterinary line.	Pres.— P.O. Bukhtiyarpur, Distt. Patna. Perm.— Vill. & P.O. Saisabpur, Distt. Patna.	Vety. Asstt. Surgeon.	STO-G.
8968	Sharma, Niranjan Lal.	1925	G.B.V.O. (Bihar)	5 years work in the treatment of sick animals, castration and breeding of cattle & small animals.	Pres.— I/c State Vety. Hospital, P.O. Bhawn Bahadur Nagar, Distt. Bulandshahr. Perm.— Vill. Basawali, P.O. Pilkhatra, Distt. Etah.	Vety. Asstt. Surgeon.	STO-G.
8969	Sharma, Ram Lal.		For particulars, refer to S. No. ST. 8519 on page 1003.				
8970	Sharma, Sachidanand.	1920	G.B.V.O. (Bihar-'40)	For 5 years worked in the army.	Pres.—I/c Vety. Hospital, Sikandrabad, District Bulandshahr. Perm.— Vill. & P.O. Manjhi, Distt. Saran.	Vety. Asstt. Surgeon.	STO-G.
8971	Sharma, Shanti Kumar. (Capt.)	1908	G.V.Sc. (Calcutta-'35)	Since 1935 serving in the army, specialised in meat inspection and veterinary medicine.	Pres.— Branch Vety. Hospital, The President's Bodyguard, New Delhi. Perm.— C/o Vandana Co., Manufacturing Chemist, 16, Mohindra Bagchi Road, Ballygunge, Howrah.	Officer Commanding.	STO-G.
8972	Sharma, Shyam Nandan Singh.	1911	G.B.V.C. (Bihar-'35)	Since 1935 working in the veterinary line.	Pres.— Vety. Dispensary, Ramgarh Cantt. Distt. Hazaribagh. Perm.—V.Hl. Mathia, P.O. Bhagar, Distt. Saran.	Touring Vety. Asstt. Surgeon.	STO-G.
8973	Sharma, Triben Singh.	1927	G.B.V.C. (Bihar-'47)	Since 1947 serving in C.V.D. Bihar.	Pres.—Vety. Dispensary, Bettiah, Distt. Champaran. Perm.—V.Hl. Dhobibigha, P.O. Makhadumabad, Distt. Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
8974	Sharma, V.D.	1920	G.V.Sc. (Calcutta-'44) Trained in artificial insemination. (1948)	9 years experience in the veterinary line especially surgery.	Pres.—Saharanpur. Perm.— Vill. & P.O. Mendo, Distt. Aligarh.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degress, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8975	Sharma, Vishnu Datta.	1924	B.Sc. Vety. (Bombay —'49)	4 years service in the veterinary department of J. & K. State.	Pres.—Poonch, Kashmir State. Perm.—C/o Brij Mohan Sharma, Teacher, Sanskrit Pathshala, Poonch.	Vety. Asstt. Surgeon.	STO-G.
8976	Shastri, Tukul Srinivasa.	1908	G.V.Sc. (Calcutta-'38)	Since 1938 doing hospital as well as field work in the veterinary line.	Pres.— I/c Civil Vety. Hospital, Etawahpur, Distt. Agra. Perm.—C/o P.B. Subramanyam, No. 74, II Main Road, Obamrajapat, Bangalore 2.	Vety Asstt. Surgeon	STO-G.
8977	Shaw, Raj Kumar.	1916	G.B.V.C (Bihar)	Serving in the C.V.D. Bihar.	Pres.—P.O. Pakur, Santhal Parganas. Perm.— Vill. Panch Kethia, P.O. Barhait, Distt. Santhal Parganas.	Vety. Asstt. Surgeon.	STO-G.
8978	Sheikh. Faizuddin.	1920	G.B.V.C. (Bihar—'41)	18 years work in the treatment of diseases, animal breeding and genetics.	Pres.— Araria, Distt. Purnea. Perm.—Vill. Mathurapur, P.O. Abadpur, District Purnea.	Touring Vety. Asstt. Surgeon.	STO-G.
8979	Shiggaon, Kallappa Lingappa.	1911	G.B.V.C. (Bombay)	For 5 years worked as Vety. Officer. Since 1948 teaching veterinary science to B.Sc. agricultural students.	Pres.—College of Agriculture, Dharwar. Perm.— Ingaigi, via Shiggaon.	Professor of Vety. Science.	T-G.
8980	Shingatgeri, Madhav Krishnarao.	1926	B.Sc. Vety. (Bombay —'49)	Since 1949 doing teaching work in anatomy, histology and physiology.	Pres.—Bombay Vety. College, Parel, Bombay 12 Perm.— B 4, Bandra Signal School, Band Stand, Bandra, Bombay 20.	Lecturer in Physiology & Biochem.	T-G.
8981	Shive Charan Prasad.	1915	G.B.V.C. (Bihar—'39) P.G. from I.V.R.I. (Mukteswar—'48)	Over 18 years touring work in the veterinary line.	Pres.—Vety. Dispensary, P.O. Deoghar, Distt. Santhal Parganas. Perm.—C/o Mahabir Chabua, Vill. & P.O. Asthus, Distt. Darbhanga.	Touring Vety. Asstt. Surgeon.	STO-G.
8982	Shrivastava, Anand Mehan.	1980	B.V.Sc. (Saugor—'52)	...	Pres.— Vety. College, Jabalpur Perm.— Shant Sadan, Dixitpura, Jabalpur.	Vety. Asstt. Surgeon.	STO-G.
8983	Shrivastava, Maheshwar Prasad.	1900	G.B.V.C. (Bihar—'51)	Doing field work.	Pres.— P.O. Supaul, Saharsa. Perm.— P.O. Madhipura, Distt. Saharsa.	Touring Vety. Asstt. Surgeon	STO-G.
8984	Siddique, Ahmed Hassan.	1815	G.V.Sc. (Calcutta-'38)	15 years service experience of the veterinary profession.	Pres.—I/c Vety. Hospital, Singahi, Distt. Kheri.	Vety. Asstt. Surgeon.	STO-G
8985	Siddique, Irtaza Hussain.	1929	G.B.V.C. (Bihar)	Worked in surra control centre.	Pres.—I/c Vety. Hospital, Billespur, Distt. Rampur. Perm.—Moh. Sotha-Sadat, Budau.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks	
8986	Sidhu, Anup Singh. (Capt.)	1919	Dip. in Vety. Science, (Punjab)	10 years service in the army, experience in the breeding and diseases of animals particularly sterility in cattle.	Pres.— Brauch Vety. Hospital, Morar Cantt., Gwalior. Perm.— Circular Road, Batala, Punjab.	Officer Commanding.	STO-G.	
8987	Sidhu, Badan Singh.	1926	B.V.Sc. (Punjab—'50)	Since 1950 working in RVFC. in the army doing veterinary, medical & surgical work.	Pres.— Military Farm, Nankum, Ranchi. Perm.— C/o Ch. Chhottu Ram, Vill. & P.O. Khauda Kheri, Distt. Hisar.	Vety. Asstt. Surgeon.	STO-G.	
8988	Singh, Bawa Bar-binder.	1917	M.R.C.V.S. (London) P.G. Course at I.V.R.I. (Izatnagar)	...	Pres.— U.P. College of Vety. Science & A.H. Mathura. Perm.— Do.	Professor of Medicine.	T-G.	
8989	Singh, Bhuvaneshwar.			For particulars, refer to S. No. ST. 8524 on page 1008.				
8990	Singh, Bindeshwari Prasad.	1925	G.B.V.O. (Bihar—'46)	7 years service in the veterinary profession including 19 months work at the artificial insemination centre at Ghazipur.	Pres.— Vety. Hospital, Bikapur, Distt. Faizabad. Perm.— Vill. & P.O. Chakia, Distt. Ballia.	Vety. Asstt. Surgeon.	STO-G.	
8991	Singh, Birendra Bahadur.	1923	G.V.Sc. (Calcutta—'45) Trained in artificial insemination. (Mathura)	...	Pres.— I/c Civil Vety. Hospital, Bharwari, Distt. Allahabad. Perm.— Vill. & P.O. Gagaha, Distt. Gorakhpur.	Vety. Asstt. Surgeon.	STO-G.	
8992	Singh, Dil Bahadur.	1921	G.B.V.O. (Bihar—'44)	Since 1944 working in the veterinary profession.	Pres.— I/c Vety. Hospital, Coloniganj, Distt. Gonda. Perm.— C/o Th. R.P. Singh, Sherwali Kothi, Nawabganj, Kanpur.	Vety. Asstt. Surgeon.	STO-G.	
8993	Singh, Ganesh Prasad.	1924	G.M.V.O. (Madras—'48) B.V.Sc. (Punjab—'49)	Doing field work in the veterinary line.	Pres.— I/c Civil Vety. Hospital, P.O. Bansgaon, Distt. Gorakhpur. Perm.— Vill. Sikari, P.O. Baburi, Distt. Banaras.	Vety. Asstt. Surgeon.	STO-G.	
8994	Singh, Jogendra Pal.	1920	G.V.Sc. (Calcutta—'44)	9 years work as Incharge of different veterinary hospitals.	Pres.— I/c Civil Vety. Hospital, Mussoorie. Perm.— Vill. & P.O. Narkhi, Distt. Agra.	Vety. Asstt. Surgeon.	STO-G.	
8995	Singh, Jugal Kishore.	1898	G.B.V.O. (Bengal—'19)	34 years service experience of the veterinary profession especially medicine & surgery.	Pres.— Bankipur. Perm.— Vill. Bibi, P.O. Bharathpura, District Patna.	Vety. Asstt. Surgeon.	STO-G.	
8996	Singh, K. B.	1908	M.R.C.V.S. (London—'32)	18 years service in RVFO.	Pres.— R.V.F.C. Centre & School, B. I. Lines, Meerut Cantt. Perm.— C/o Imperial Bank of India, Meerut Cantt.	Commandant.	T-G. STO-G.	

## VETERINARY SCIENCE—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
8997	Singh, Maheshwar Prasad.	1935	G.B.V.C. (Bihar-'50)	...	Pres.— I/c Govt. Vety. Dispensary, Khizer Sarai, Distt. Gaya. Perm.— Vill. Badaura, P.O. Bali Belchi, Distt. Patna.	Vety. Asstt. Surgeon.	STO-G.
8998	Singh, Nageshwar Prasad.	1917	G.B.V.C. (Bihar)	Since 1942 working in the veterinary line.	Pres.— P.O. Sultanganj, Bhagalpur. Perm.— Vill. Sanhouri, P.O. Bhagaya, District Santhal Parganas.	Touring Vety. Asstt. Surgeon.	STO-G.
8999	Singh, Narmadeshwar.	1932	G.B.V.C. (Bihar-'51)	...	Pres.— P.O. Baunsi, Distt Bhagalpur. Perm.— Vill. Dipara, P.O. Karsar, Distt Shah- abad.	Touring Vety. Asstt. Surgeon.	STO-G.
9000	Singh, Parashuram.			For particulars, refer to S. No. ST. 8528 on page 1004.			
9001	Singh, Priya Dutta.	1926	B.V.Sc. & A.H. (Agra —'52)	...	Pres.— Puranpur, Distt. Pilibhit. Perm — S/o Th. Gopal Singh Ji, P.O. Moha- medpur Deomal, Distt. Bijnor.	Vety. Asstt. Surgeon.	STO-G.
9002	Singh, R.D.			For particulars, refer to S. No. ST. 8530 on page 1004.			
9003	Singh, Rajendra Prasad.			For particulars, refer to S. No. ST 8531 on page 1004.			
9004	Singh, Rajendra Prasad.	1904	G.B.V.C. (Bengal-'27)	Since 1927 service experi- ence of the veterinary profession especially in surgery.	Pres.— P.O. Buxar, Distt. Shahabad. Perm.— Vill. Hemza, P.O. Haidernagar, Distt. Palamau.	Vety. Asstt. Surgeon.	STO-G.
9005	Singh, Raj Murat.	1936	Dip. in Vety. Science. (Patna—'51)	2 years work in the veterinary line.	Pres.— I/c Vety. Hospital, Tanda, Distt. Faizabad. Perm.— Vill. Bhaura, P.O. Kerakat, District Jaunpur.	Vety. Asstt. Surgeon.	STO-G.
9006	Singh, Rajuandau Prasad.	1930	Dip. in Vety. Science (Patna—'51)	...	Pres.— Govt. Vety. Dis- pensary, Mahagama, Distt. Santhal Parganas. Perm.— Vill. Musaura, P.O. Bihar-Sharif, Distt. Patna.	Touring Vety. Asstt. Surgeon.	STO-G.
9007	Singh, Raj Nath.	1919	Dip. in Vety. Science. & A.H. (Calcutta-'44)	Doing hospital and development work in villages.	Pres.— I/c Vety. Hospital, Sidhauri, Distt. Sitapur. Perm.— Vill. & P.O. Tewar, Distt. Banaras.	Vety. Asstt. Surgeon.	STO-G.
9008	Singh, Ramashraya Prasad.	1921	G.B.V.C. (Bihar-'43)	Since 1943 doing touring work in medicine & surgery.	Pres.— P.O. Warisali- ganj, Distt. Gaya. Perm.— Vill. Amarpur, P.O. Makhdumpur, Distt. Gaya.	Touring Vety. Asstt. Surgeon.	STO-G

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9009	Singh, Ram Dahan.	1914	G.B.V.O. (Bihar—'37)	16 years experience in the treatment both curative & preventive of animal diseases especially in medicine and surgery.	Pres.—P.O. Forbesganj, Distt. Purnea. Perm.—Vill. Lat, P.O. Hulasganj, Distt. Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
9010	Singh, Ramjatan.	1907	G.B.V.O. (Bengal—'30)	28 years experience of field work in the profession.	Pres.—P.O. Aurangabad, Distt. Gaya. Perm.—Vill. Bejoli, P.O. Kapasia, Distt. Gaya.	Vety. Asstt. Surgeon.	STO-G.
9011	Singh, Ram Lekhan Prasad.	1927	G.B.V.O. (Bihar—'51)	Joined Bihar Vety. Service in 1951.	Pres.— P.O. Dalkola, Distt. Purnea. Perm.—Vill. Murgiachak, P.O. Tungi, District Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
9012	Singh, Ram Nagina.	1921	G.B.V.C. (Bihar—'46)	5 years service in the veterinary line, experience in medicine and surgery.	Pres.— I/o Civil Vety. Hospital, Rudauli, Distt. Barabanki. Perm.— Vill. Senapur, P.O. Kerakat, District Jaunpur.	Vety. Asstt. Surgeon.	STO-G.
9013	Singh, Ram Niwas.	1926	G.B.V.O. (Bihar—'47)	Treatment of sick animals.	Pres.— P.O. Areraj, Distt. Champaran. Perm.— Vill. Deoria, P.O. Babhangawan, Distt. Shahabad.	Touring Vety. Asstt. Surgeon.	STO-G.
9014	Singh, Ram Tawakya.	1921	G.B.V.C. (Bihar—'44)	Attending to cattle epidemics and treating cases at hospitals & dispensaries.	Pres.— P.O. Sursand, Distt. Muazzafarpur. Perm.—Vill. Sheonagar, P.O. Fakhpur, Distt. Gaya.	Vety. Asstt. Surgeon.	STO-G.
9015	Singh, Ravindra Pal.	1930	B.V.Sc. & A.H. (Agra —'52)	Engaged in the production of biologicals.	Pres.— C/o D.P. Singh Esq., 6, Butler Road, Lucknow. Perm.—Vill. Pulua, P.O. Kalan, Distt. Shah- jahanpur.	Vety. Asstt. Surgeon.	STO-G.
9016	Singh, Ravi Raj			For particulars, refer to S.No. ST. 8595 on page 1004.			
9017	Singh, Sat Pal.	1930	B.V.Sc. (Punjab—'51)	2 years teaching work.	Pres.— R.V.F.C. Centre & School. Meerut Cantt. Perm.— Prem Niwas, Civil Lines, Rohtak.	Instructor.	T-G.
9018	Singh, Satya Pal.	1920	G.B.V.C. (Bihar—'44)	9 years experience as Vety. Physician and Surgeon.	Pres.—P.O. Shamli, Distt. Muzaffarnagar. Perm.— Vill. Lodipur Rajput, P.O. Pakbara, Distt. Moradabad.	Vety. Asstt. Surgeon.	STO-G.
9019	Singh, Sheonandan.	1930	G.B.V.C. (Bihar)	...	Pres.—Nathnagar, Bha- galpur. Perm.— Vill. & P.O. Ranipur, Distt. Patna.	Touring Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9020	Singh, Shyam Sunder.	1919	G.B.V.C. (Bihar—'44)	...	Pres.— Hussainabad, Distt. Palamau. Perm.— P.O. Kahalashpur, Distt. Shahabad, Bihar.	Touring Vety. Asstt. Surgeon.	STO-G.
9021	Singh, Shiva Baran.			For particulars, refer to S. No. ST. 8586 on page 1004.			
9022	Singh, Sukh Bir.			For particulars, refer to S. No. ST. 8587 on page 1005.			
9023	Singha, Vateshwor nath.	1912	Dip. in Vety. Science. (Patna—'41)	...	Pres.— P.O. Dhanaur, Distt. Muzaffarpur. Perm.— Vill. Pakaria, P.O. Orhanpore, Distt. Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
9024	Sinha, Bakshi Raghu- bar P.D.	1924	G.B.V.C. (Bihar—'47)	Doing touring work attending to outbreaks of epidemics and carry- ing on preventive inocu- lation & vaccination.	Pres.— Purulia. Perm.— Vill. & P.O. Murar, Distt. Shahabad, Bihar.	Touring Vety. Asstt. Surgeon.	STO-G.
9025	Sinha, Basudeo Narain.	1929	G.B.V.C. (Bihar)	2 years service in the veterinary department.	Pres.— P.O. Biroul, Distt. Darbhanga. Perm.— C/o Sri Sheo Prasad Lal, Vill. Sugbar Chapra, P.O. Manjhi, Distt. Saran.	Touring Vety. Asstt. Surgeon.	STO-G.
9026	Sinha, Bharat.	1921	G.B.V.C. (Bihar—'44) Training in Poultry.	...	Pres.— I/c Civil Vety. Hospital, Mahrajganj. Perm.— 21, Dugawau, Lucknow.	Vety. Asstt. Surgeon.	STO-G.
9027	Sinha, Bhola Nath.	1908	G.B.V.C. (Bengal—'25)	28 years service as Physician & Surgeon in the veterinary line.	Pres.— I/c Vety. Hospital, Bhagalpur. Perm.— Vill. & P.O. Kasba, Distt. Bhagal- pur.	Senior Vety. Asstt. Surgeon.	STO-G.
9028	Sinha, Chakradhar Prasad.	1926	G.B.V.C. (Bihar)	...	Pres.— P.O. Murliganj, Distt Saharsa, Bihar. Perm.— C/o Sri Bidya- dhara Prasad, Pleader, P.O. Madhipura, Distt. Saharsa.	Touring Vety. Asstt. Surgeon.	STO-G.
9029	Sinha, Kedar Nath.	1914	G.B.V.C. (Bihar)	12 years service experi- ence of veterinary science.	Pres.— I/c Vety. Dispens- ary, P.O. Jhajha, Distt. Monghyr. Perm.— Vill. Choria- Bariapore, P.O. Sripore, Distt. Monghyr.	Touring Vety. Asstt. Surgeon.	STO-G.
9030	Sinha, Lakhman.	1918	G.B.V.C. (Bihar—'42)	Since 1942 serving in the veterinary line.	Pres.— Khagaria, Distt. Monghyr. Perm.— Vill. & P.O. Maidah, Distt. Mon- ghyr.	Touring Vety. Asstt. Surgeon.	STO-G.
9031	Sinha, Madan Gopal.			For particulars, refer to S. No. ST. 8541 on page 1005.			

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9092	Sinha, Nirmal Kumar.	...	Dip. in Vety. Science. (Patna—'50)	...	Pres.— Vill. & P.O. Dhamdaha, District Purnea. Perm.—Vill. & P.O. Kha- rudah, Distt. Purnea.	Touring Vety. Asstt. Surgeon.	STO-G.
9093	Sinha, Narain.	Pradeep 1918	G.B.V.C. (Bihar—'40)	18 years service as In- charge of various hospi- tals of Bihar.	Pres.—Daltonganj, Distt. Palamu. Perm.—Vill. Koil Bhupat, P.O. Niranjanpur, Distt. Gaya.	Vety. Asstt. Surgeon.	STO-G.
9094	Sinha, R.P.			For particulars, refer to S. No. ST. 8543 on page 1005.			
9095	Sinha, Raghubir.	1924	G.B.V.C. (Bihar—'47)	For the last 6 years en- gaged in the veterinary line.	Pres.—P.O. Suriya, Distt. Hazaribagh. Perm.—Vill. Moke, P.O. Kouch, Distt. Gaya.	Touring Vety Asstt. Surgeon.	STO-G.
9096	Sinha, Rajendra	Prasad. 1918	G.B.V.C. (Bihar—'44)	Since 1944 engaged in touring work in the veterinary line.	Pres.— P.O. Dighwara, Distt. Baran. Perm.—Vill. Chintaman- chak, P.O. Mokameh, Distt. Patna.	Touring Vety. Asstt. Surgeon.	STO-G.
9097	Sinha, Rajendra	Prasad. 1925	Dip. in Vety. Science. (Patna—'51)	...	Pres.— P.O. Bihpur, Distt. Bhagalpur. Perm.—Vill. Badarkha, P.O. Asarganj, Distt. Monghyr.	Touring Vety. Asstt. Surgeon.	STO-G.
9098	Sinha, Rama Krishna.	1911	Grad. Vety. Science. (Patna—'31)	Since 1931 working in the veterinary line, specialised in medicine.	Pres.— Vety. Hospital, Samastipur, District Darbhanga. Perm.— Vill. & P.O. Barhiya, Distt. Mon- ghyr.	Vety. Asstt. Surgeon.	STO-G.
9099	Sinha, Rama Raksha.	1916	G. B. V.C. (Bihar—'40)	Since 1941 working in the veterinary line, experience in veterinary surgery.	Pres.— P.O. Narkati- ganj, Distt. Champaran. Perm.— Mohalla Garha- para, Vill. & P.O. Khan- awa, Distt. Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
9100	Sinha, Ram Bilas Prasad.			For particulars, refer to S. No. ST. 8543 on page 1005.			
9101	Sinha, Ramjiwan.	1928	Dip in Vety. Science. (Patna—'50)	About 3 years touring work in the veterinary profession.	Pres.— P.O. Wazirganj, Distt. Gaya. Perm.— Vill. Gorhna, P.O. Hansadib, Distt. Patna.	Touring Vety. Asstt. Surgeon.	STO-G.
9102	Sinha, Rampadarath.	1928	G.B.V.C. (Bihar)	3 years touring work.	Pres.—P.O. Bhagwanpur, Distt. Shahabad, Bihar. Perm.—Vill. Kalyanbigha, P.O. Barah. District Patna.	Touring Vety. Asstt. Surgeon.	STO-G.
9103	Sinha, Rasik Behari	1923	G.B.V.C. (Bihar)	Working in community project area, Kasia.	Pres.—P.O. Kasia, Distt. Doria. Perm.— Vill. Indauli, P.O. Turripur, Distt. Ballia.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9044	Sinha, Saroj Kumar.	1914	G.B.V.C. (Bihar)	15 years work in the veterinary line especially surgery.	Pres.— P.O. Barahiya, Distr. Monghyr. Perm.— Vill. & P.O. Godda, Distr. Santhal Parganas.	Vety. Asstt. Surgeon.	STO-G.
9045	Sinha, Shambhu Prasad.	1926	B.V.Sc. (Punjab)	...	Pres — I/c Civil Vety. Hospital, Sambhal, Moradabad. Perm.— Do.	Vety. Asstt. Surgeon.	STO-G.
9046	Sinha, Shatrughna Prasad.		For particulars, refer to S. No. ST. 8044 on page 1005.				
9047	Sinha, Shyam Nar- ayan.	1924	Dip. in Vety. Science. (Patna—'45)	7 years service in the veterinary line, now engaged in the treatment of livestock and checking of epidemics.	Pres.— P.O. Daudnagar, Distr. Gaya. Perm.— Vill. Iguna, P.O. Koach, Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
9048	Sinha, Sidheshwar.	1922	G.B.V.C. (Bihar—'44)	...	Pres.—P.O. Banka, Distr. Bhagalpur. Perm.—Vill. Subhanpur, P.O. Bhatta, Distr. Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
9049	Sinha, Sidheshwar Prasad.	1929	G.B.V.C. (Bihar—'51)	...	Pres.— P.O. Rajauli, Distr. Gaya. Perm.—Vill. Amarpura, P.O. Alinagar Pall, Distr. Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
9050	Sinha, Vishwanath Prasad.	1916	G.B.V.C. (Bihar)	12 years service in different veterinary clinics of Bihar.	Pres.—Vill. & P.O. Muju- wa, Distr. Muzaffarpur. Perm.— Vill. & P.O. Pratapnand, Distr. Muzaffarpur.	Touring Vety. Asstt. Surgeon.	STO-G.
9051	Sircar, Rabindra Nath.	1910	Dip. in Vety. Science. (Patna—'34)	From 1937-46 did touring veterinary work, and 1946-to-date laboratory work in bacteriology.	Pres.— Civil Vety. Dept., Sub-Range, Bhagalpur. Perm.—O/o Shri Bansidhar Sircar, 1, Satish Sircar Lane, Bhagalpur.	Lab. Asstt. Surgeon.	STO-G.
9052	Sita Ram Singh.	1928	G.B.V.C. (Bihar—'50)	8 years work in the treatment of animals.	Pres.—P.O. Hilsa, Distr. Patna. Perm.— Vill. Lawabai, P.O. Malhari, District Gaya.	Touring Vety. Asstt. Surgeon.	STO-G.
9053	Siyal, Rikhi Ram.	1921	Dip. in Vety. Science. (Patna—'46)	7 years work in the veterinary line.	Pres.— Tilbor, Distr. Shahjahanpur. Perm.— Vill. Purjasa, P.O. Nandingarh, Distr. Ambala.	Vety. Asstt. Surgeon.	STO-G.
9054	Sood, Brij Mohan.	1930	B.V.Sc. & A.H. (Agra —'52)	Manufacture of desiccated goat tissue virus and ranikhet disease vaccine.	Pres.—Biological Products Section, Badshahbag, Lucknow. Perm.— Moti Bhawan, Maithan, Agra.	Jr. Research Assistant.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9055	Soren, Robert Raghu.	1909	G.B.V.C. (Bihar—'34)	16 years service in the C.V.D. Bihar, experience in medicine.	Pres.— P.O. Islampur, Distt. Purnea. Perm.—Vill. Bhatonda, P.O. Godda, District Santal Parganas.	Touring Vety. Asstt. Surgeon.	STO-G.
9056	Srinivasan, P.	1918	B.A. (Andhra) G.M.V.C. (Madras—'40) B.V.Sc. (Madras—'40) M.Sc. (Madras—'49)	Since 1941 doing teaching work in veterinary anatomy.	Pres.— Vety. College, Osmania University, Hyderabad. Perm.— Do.	Lecturer in Anatomy.	T-G.
9057	Srinivasan, V.	1910	B.A. (Madras—'30) G.M.V.C. (Madras—'33)	Since 1931 serving in different capacities including 8 years research work on goat tissue virus and teaching work from 1940 to-date.	Pres.— Bihar Vety. College, Patna. Perm.— Vill. & P.O. Ettukudi, via Thirunellikaval, District Tanjore.	Asstt. Prof. of Materia Medica & Therapeutics.	T-G.
9058	Srinivasan, V.V.	1920	B.V.Sc. (Madras—'52)	...	Pres.— Indian Vety. Research Institute, Mukteswar-Kumaon. Perm.— O/o Mr. V.S. Venkataraman, 40, Kuppath Chetty Street, W. Mambalam, Madras 17.	Research Asstt. (Protozoology)	R-G.
9059	Srivastava, Daya Shanker.	...	G.B.V.C. (Bihar)	9 years work in the veterinary line.	Pres.— I/c Civil Vety. Hospital, Charkhari, Hamirpur. Perm.— P.O. Deoria, Sadar.	Vety. Asstt. Surgeon.	STO-G.
9060	Srivastava, Durga-prasad.	1899	Dip. from Punjab Vety. College. (1922)	Since 1926 serving in the veterinary department.	Pres.—I/c Vety. Hospital, Manchhibun, Distt. Banda.	Vety. Asstt. Surgeon.	STO-G.
9061	Srivastava, Ganesh Pd.	1925	G.V.Sc. (Calcutta—'48)	Since 1948 working in the veterinary line.	Pres.— Manjhera Farm, Lakhimpur Kheri. Perm.— O/o B. Sitab Narsain Lal, Vill. & P.O. Kuker Gharsti, Distt. Deoria.	Vety. Asstt. Surgeon.	STO-G.
9062	Srivastava, Gangotri Prasad.	1918	G.B.V.C. (Bihar—'42)	11 years service experience in veterinary science.	Pres.—I/c Civil Vety. Hospital, Pratapgarh. Perm.— 118, Shahrara Bagh, Allahabad.	Vety. Asstt. Surgeon.	STO-G.
9063	Srivastava, Shankar.	1926	B.Sc. (Allahabad—'46) B.V.Sc. & A.H. (Agra—'52)	...	Pres.— I/c Civil Vety. Hospital, Lalipur, Distt. Jhansi. Perm.— Vill. & P.O. Haripur, Distt. Jaunpur.	Vety. Asstt. Surgeon.	STO-G.
9064	Srivastava, Charan Lal.	Har	G.B.V.C. (Bihar)	Cattle breeding.	Pres.—I/c Vety. Hospital, Vrindaban, Distt. Mathura. Perm.— O/o Dr. Shiva Charan Lal Srivastava, Ardaly Bazar, Banaras Cantt.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9065	Srivastava, Deo Narain, Kapil	1928	G.B.V.O. (Bihar-'44)	Since 1944 working in the veterinary line.	Pres.— I/c Civil Vety. Hospital, P.O. Manka- pur, Distt. Gonda. Perm.— C/o B. Gorakh Prasad Srivastava, Vill. Motipur Tikait, P.O. Ghanti, Distt. Deoria.	Vety. Asstt. Surgeon.	STO-G.
9066	Srivastava, Krishna Narayan,	1916	G.B.V.O. (Bihar—'35)	18 years service in veteri- nary hospitals and dispensaries.	Pres.— Vety. Dispensary, Dalsingearai, Distt. Darbhanga. Perm.—P.O. Laheriasarai, Distt. Darbhanga.	Touring Vety. Asstt. Surgeon.	STO-G.
9067	Srivastava, Krishna Prasad.	1926	G.V.Sc. (Calcutta)	Since 1948 serving as Vety. Asstt. Surgeon.	Pres.— I/c Civil Vety. Hospital, Itaunja, Distt. Lucknow. Perm.— Vill. Malairimafi, P.O. Bishunpur Baria, Distt. Gonda.	Vety. Asstt. Surgeon.	STO-G.
9068	Srivastava, Onkar Sahai.	1922	G.B.V.O. (Bihar-'44)	Carrying out treatment and breeding operations of cattle.	Pres.— P.O. Amethi, Distt. Sultanpur. Perm.— Vill. Baraura, P.O. Surapur, Distt. Faisabad.	Vety. Asstt. Surgeon.	STO-G.
9069	Srivastava, Sharda Nand.	1925	G.B.V.O. (Bihar-'49) Training in poultry husbandry.(Lucknow —'62)	...	Pres.—I/c Vety. Hospital, Moudaha, Distt. Hamir- pur. Perm.—C/o Sri Vishnu Nandji, Moh. Pathan- tola, P.O. Purani-Basti, Distt. Basti.	Vety. Asstt. Surgeon.	STO-G.
9070	Srivastava, Surendra Nath.	1927	B.Sc. (Lucknow-'47) B.V.Sc. & A.H., (Agra —'51)	...	Pres.— U.P. College of Vety. Science & A.H., Mathura. Perm.—C/o Dr. R.S. Sri- vastava, D.P.H., Benarsi Bagh, Lucknow.	Demonstrator in Surgery.	T-G
9071	Srivastava, Girja Narain Prasad.	1907	G.B.V.O. (Bengal-'30)	29 years service in the veterinary line, specia- lised in the treatment of domesticated animals.	Pres.— Vety. Hospital, Fazabad. Perm.—Vill & P.O.Goraul, Distt. Muzaffarpur.	Vety. Asstt. Surgeon.	STO-G.
9072	Subrahmanyam, P.	1931	B.V.Sc. (Madras-'59)	...	Pres.—C/o Dr. S.P. Sarma, No. 1, Cutcheri Road, Mylapore, Madras 4. Perm.— Do.	...	Un.
9073	Sundaram, R. Kal- yana.	...	G.V.Sc. D.V.M. (Philippines)	...	Pres.—V.G.Q., I V.R.I., Mukteswar. Perm.—42, Perumal South Car Street, Tirunelvelly, Madras.	Research Asstt.	R-G.
9074	Sundar Singh.	1911	L.V.P. (Punjab—'32) B.V.Sc. (Punjab—'51)	...	Pres.— R.V.F.C. Centre & School, B.I. Lines, Meerut Cantt. Perm.— C/o D.R.V.F., Q.M.G.'s Branch, Army Headquarters, P.O. D.H.Q., New Delhi 11.	Officer Com- manding.	STO-G

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9075	Surin, Samuel.	1922	G.B.V.C. (Bihar-'46)	Since 1946 doing touring work for the treatment of animal diseases and prevention of contagious diseases in animals.	Pres.—Vety. Dispensary, P.O. Sisai, District Rauchi. Perm.—Ghutbahar, P.O. Simdega, Distt. Ranchi.	Touring Vety. Asstt. Surgeon.	STO-G.
9076	Swami, Harsaran. (Capt.)	1912	G.V.Sc. (Calcutta)	Treatment of army animals.	Pres.—Field No. 2 A.T., Regt. A.S.C., C/o 56 A.P.O., New Delhi. Perm.—R.V.F.C. Centre & School, Meerut Cantt.	Army Officer.	STO-G.
9077	Swamy, Bangalore Narayana. (Capt.)	1911	G.B.V.C. (Bombay —'33)	For 3 years did goat virus research.	Pres.—H.Q. East Command, Ranchi. Perm.— 887, Mohana Vilas, 8th Main Road, P.O. Malleswaram, Bangalore.	...	STO-G.
9078	Syed Asgher Hussain.	1902	G.B.V.C. (Bengal-'28)	Since 1928 serving in different capacities, experience in sheep & goat diseases and farming.	Pres.—Barachakia. Perm.—Mohalla Baniapatti, Motihari.	Touring Vety. Asstt. Surgeon.	STO-G.
9079	Syed Habibur Rahman.	1908	G.B.V.C. (Bengal-'26)	Serving in the C.V.D. Bihar since 1927.	Pres.—I/c Vety. Hospital, Jehanabad, Distt. Gaya. Perm.—Vill. Firozi, P.O. Kako, Distt. Gaya.	Vety. Asstt. Surgeon.	STO-G.
9080	Syed Jamil Ahmad.	1916	B.Sc. (Lucknow-'38) G.B.V.C. (Bihar)	11 years work in the veterinary line.	Pres.— Vety. Hospital, P.O. Bindki, District Fatehpur. Perm.— 97/188, Talaqu Mahal, Kanpur.	Vety. Surgeon.	STO-G.
9081	Syed Mashuque Hussain.	1903	G.B.V.C.(Bengal-'28)	15 years touring work in the veterinary profession.	Pres.—I/c Vety. Hospital, Basaram, Distt. Shahabad. Perm.— Vill. Kabar, Distt. Gaya.	Vety. Asstt. Surgeon.	STO-G.
9082	Syed Mohammad.	1894	G.B.V.C. (Bengal-'15)	Since 1915 serving in different capacities in the veterinary line, specialised in the cure of string halt.	Pres.—Muffarpore. Perm.— Mohalla Sandal-pore, Monghyr.	Vety. Inspector.	STO-G.
9083	Syed Mohammed Ishaquo.	1918	G.B.V.C. (Bihar-'36)	Varied service including about 3 years in the army, specialised in veterinary medicine & surgery.	Pres.— Bihar Vety. College, Patna.	Prof. of Surgery.	T-G.
9084	Syed Zainul Abedin.	1918	G.V.Sc. (Calcutta-'41) Training in Advanced Course of A.H. & Artificial Insemination.	For 5 years worked on meat inspection.	Pres.—I/c Vety. Hospital, Hardoi. Perm.—Kote, Sitapur.	Vety. Asstt. Surgeon.	STO-G.
9085	Tej Singh.	1923	L.V.P. (Punjab—'42) B.V.Sc. (Punjab—'52)	Since 1948 serving in the army, from 1946 to-date doing laboratory work.	Pres.— I/c Veterinary Laboratory, Lucknow. Perm.—Vill. Nangli Pura, P.O. Alipore, Delhi.	Officer Commanding.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9086	Tewari, Basudeo.	1930	G.B.V.C. (Bihar-'51)	... ...	Pres.—Jehanabad, Gaya, Perm.—Vill. Pirahi, P.O. Baboo Barahi, Distt. Darbhanga.	Touring Vety. Asstt. Surgeon.	STO-G.
9087	Tewari, Shiva Kumar.	1923	Dip. in Vety. Science. (Patna-'58) Training against raunkhet diseases in fowls.	...	Pres.—C.V.D., North Bihar Range, Muzaffarpur. Perm.—O/o Dr. S.P. Tewari, P.O. Mahendru, Distt. Patna.	Vety. Asstt. Surgeon.	STO-G.
9088	Tewary, Shiva Kant.	1928	G.B.V.C. (Bihar-'49)	For the last 4 years doing touring work in the veterinary line.	Pres.—P.O. Barauli, Distt. Saran. Perm.—Vill. Purenderpur, P.O. Shirani Bazar, Distt. Champaran.	Touring Vety. Asstt. Surgeon.	STO-G.
9089	Tewary, Tallang.	...	G.B.V.C. (Bihar-'81)	Served as Inspector in the society for the pre- vention of cruelty to animals. Since 1986 doing touring work.	Pres.—Bheldi, Distt. Saran. Perm.—Vill. Purenderpur, P.O. Shirani Bazar, Distt. Champaran.	Touring Vety. Asstt. Surgeon.	STO-G.
9090	Thakural, Kanhaiya Dayal Singh.	1900	G.B.V.C. (Bengal-'22)	Since 1922 serving in the C.V.D. Bihar.	Pres.—Basaram, Distt. Shahabad. Perm.—Vill. Dabra, P.O. Satbarwa, Distt. Palamau.	Vety. Inspec- tor.	STO-G.
9091	Thapliyal, Anand Ballabh.	1924	G.B.V.C. (Bihar-'48)	5 years work in the veterinary line.	Pres.—Vety. Hospital, Jahari Khal, Distt. Garhwal. Perm.—Vill. & P.O. Masa- um, Distt. Garhwal.	Vety. Asstt. Surgeon.	STO-G.
9092	Tikoo, Brij Krishna.	1925	B.V.Sc. (Bombay-'49)	4 years experience in the veterinary line.	Pres.—Barauli. Perm.—Popular Motor Service, 1st Bridge, Srinagar.	Vety. Asstt. Surgeon.	STO-G.
9093	Tiwari, Dharm Nath.	1917	Dip. in Vety. Science. (Patna-'36)	Since 1937 serving in the C.V.D. Bihar.	Pres.—Civil Vety. Dept., N.B. Range, Muzaffarpur. Perm.—Vill. & P.O. Mehsi, Distt. Champa- ran.	Staff Vety. Asstt. Surgeon.	STO-G.
9094	Tiwari, Singh. Mahtab	1912	G.B.V.C. (Bihar-'39)	Since 1939 working in the veterinary line includ- ing 2 years as Instruc- tor in animal husban- dry.	Pres.—I/c Vety. Hospital, Chharr, Distt. Aligarh. Perm.—Vill. Meetai, P.O. Hathras, Distt. Aligarh.	Vety. Asstt. Surgeon.	STO-G.
9095	Tiwari, Girish Narain.	1930	G.B.V.C. (Bihar)	...	Pres.—Vety. Dispensary, Madhopur, Distt. Dar- bhanga. Perm.—Vill. Sabran Lebari, P.O. Karahager, Distt. Shahabad.	Touring Vety. Asstt. Surgeon.	STO-G.
9096	Tomar, Dalel Singh.			For particulars, refer to S. No. ST. 8558 on page 1007.			

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9097	Tomar, Nathi Singh.	1929	B.V.Sc. & A.H. (Agra)	...	Pres.— P.O. Bhimtal, Distt. Nainital, Perm.—Vill. Jawar, P.O. Kandakhal, District Garhwal.	Vety. Asstt. Surgeon.	STO-G.
9098	Toppo, Prabhusahay.	1912	G.B.V.C. (Bihar)	15 years experience of field work in the veteri- nary line.	Pres.— P.O. Manbazar, Distt. Manbhum. Perm.— G.E.L. Mission Compound, Vill. & P.O. Lohardaga, District Banchi.	Touring Vety. Asstt. Surgeon.	STO-G.
9099	Teloohan Singh.			For particulars, refer to S.No. ST. 8559 on page 1007.			
9100	Tripathi, Puran Chandra.			For particulars, refer to S. No. ST. 8560 on page 1007.			
9101	Trivedi, Binda Prashad.			For particulars, refer to S. No. ST. 8561 on page 1007.			
9102	Tulsi, Shiv Charanjit Singh. (Capt.)			For particulars, refer to S. No. ST. 8562 on page 1007.			
9103	Tungi, Gairola.	Prasad	1915	G.V.Sc. (Calcutta-'39)	Since 1939 working in the veterinary line especially in the treat- ment of domestic animals.	Pres.— I/o Veterinary Hospital, Hardwar. Perm.— Vill. Srikote, P.O. Srinagar, District Garhwal.	Vety. Asstt. Surgeon.
9104	Uniyal, Murari Lal.		1919	L.V.P. (Punjab—'43) P.G. Course in Vety. Sc. (I.V.R.I., Muktes- war—'62)	Served in the C.V.D. as well as Garhwal State Forces.	Pres.—I/o Vety. Hospital, Mathura. Perm.— Vill. Guar, P.O. Chamwa, Distt. Tehri Garhwal.	Vety. Asstt. Surgeon.
9105	Upadhye, Kumar.	Shiva	1931	G.B.V.O. (Bihar)	2 years touring work in the veterinary line.	Pres.— Vety. Hospital, Arrah. Perm.— Vill. Dowalpur, P.O. Nayamahadpur, P.S. Koliwar, District Shahabad.	Touring Vety. Asstt. Surgeon.
9106	Varma, Behari.	Anand	1906	Dip. in Vety. Sc. (Calcutta—'30)	23 years experience in bovine, equine and canine practice.	Pres.— Veterinary Hos- pital, P.O. Bettiah, Distt. Champaran. Perm.— Vill. Bahadur- pur, P.O. Goraval, Distt. Muzaffarpur.	Vety. Asstt. Surgeon.
9107	Varma, Gauri Shanker Prashad.		1905	G.B.V.O. (Bengal—'27)	Since 1927 working in the veterinary line, ex- perience in bovine diseases.	Pres.— Vety. Hospital, Madhubani, District Darbhanga. Perm.— Sugauli Kothi, P.O. Sugauli, District Champaran.	Vety. Asstt. Surgeon.
9108	Varma, Tejpal Singh.		1925	G.V.Sc. (Calcutta)	Engaged in hospital work especially surgical.	Pres.— I/o Civil Vety. Hospital, Baraut, Distt. Meerut. Perm.— O/o Ch. Dhara Singh, Vill. & P.O. Khalore, Distt. Buland- shahr.	Vety. Asstt. Surgeon.

## VETERINARY SCIENCE—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9109	Venkatesanarayudu, G.	1909	G.M.V.C. (Madras —'39) P.G. from I.V.R.I. (Mukteswar) Trained in Artificial Insemination.	18 years experience in veterinary science, contributed articles on clinical matters of veterinary importance.	Pres.—Shivapuri, M.B. Perm.— Do.	Distt. Vety. Officer.	STO-G.
9110	Venkatesan, Iyer Srinivasanellore Subramanya.			For particulars, refer to S. No. ST. 8565 on page 1008.			
9111	Verma, Dharam Pal.	1916	G.V.Sc. (Calcutta-'42)	11 years service in the veterinary line.	Pres.—Civil Vety. Hospital, Rishikesh, Dehra Dun. Perm.— Vill. & P.O. Banat, Distt. Muzaffarnagar.	Vety. Asstt. Surgeon.	STO-G.
9112	Verma, Gyan Singh.	1921	G.B.V.C. (Bihar-'44)	Since 1944 working in the veterinary line.	Pres.—J/c Vety. Hospital, Kannauj, Distt. Farukhabad. Perm.—C/o Banshi Dhar Verma, Vakil, P.O. Bah, Agra.	Vety. Asstt. Surgeon.	STO-G.
9113	Verma, Lakshmi- shwar Prasad.	1931	G.B.V.O. (Bihar-'50)	8 years hospital work.	Pres.— P.O. Madhipura, Distt. Saharsa. Perm.— C/o Sri Baldya-nath Prasad Verma, Vill. & P.O. Mahuwa, Distt. Muzaffarpur.	Vety. Asstt. Surgeon.	STO-G.
9114	Verma, Mahendra Prasad.	1927	G.B.V.C. (Bihar-'52)	...	Pres.— Giridib, Distt. Hazaribagh. Perm.— C/o Pande Kameshwar Sahai, Vill. Sammaspore, P.O. Fatwa, Distt. Patna.	Touring Vety. Asstt. Surgeon.	STO-G.
9115	Verma, Narendra Prasad.	1932	Dip. in Vety. Science. (Patna—'50)	Treatment of animals.	Pres.— P.O. Benipatti, Distt. Darbhanga. Perm.— Vill. & P.O. Hardia, Distt. Saran.	Touring Vety. Asstt. Surgeon.	STO-G.
9116	Verma, Nathu Singb.	1919	L.V.P. (Punjab-'49)	From 1943-49 worked in the investigation of animal diseases and 1949 to-date doing research & manufacturing work in the veterinary biological products. Papers published on haematology, uses of papain etc.	Pres.— Biological Products Section, Badshahbagh, Lucknow. Perm.— Do.	Sr. Research Asstt.	STO-G. R-G.
9117	Verma, Prem Nath.			For particulars, refer to S. No. ST. 8567 on page 1008.			
9118	Verma, Ram Nath.	1918	G.B.V.C. (Bihar-'57)	16 years service in the veterinary line.	Pres.—I/c Civil Veterinary Hospital, Shahganj, Distt. Jaunpur. Perm.— Mohalla Shah Kamar, New City, Etawah.	Vety. Asstt. Surgeon.	STO-G.

## VETERINARY SCIENCE—Contd.

S. No. St.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9119	Verma, Vinodshwar Prasad.	1924	Grad. Vety. Science. (Patna—'47)	6 years field work in veterinary science.	Pres.— P.O. Jayanagar, Distt. Darbhanga. Perm.— Vill. & P.O. Kapurpokri, District Champaran.	Touring Vety. Asstt. Surgeon.	STO-G.
9120	Wasi Mohammad.	1924	G.B.V.O. (Bengal)	Since 1948 working in the treatment of ailing domestic animals, live stock breeding, control of contagious diseases of domestic animals etc.	Pres.—I/o. Vety. Hospital, Bikapur, Distt. Faizabad. Perm.—I.B. Muir Road, Allahabad.	Vety. Asstt. Surgeon.	STO-G.
9121	Yadav, Janardan Prasad.	1929	G.B.V.C. (Bihar—'51)	Engaged on grading up of village cattle by artificial insemination method and treatment of farm animals.	Pres.— Haryana Cattle Breeding Farm, Dumraon, Distt. Shahabad. Perm.— Vill. & P.O. Jokahi, via Jhanjharpur, Distt. Darbhanga.	Artificial Insemination Inspector.	STO-G.
9122	Yadava, Bhagwat Prasad.	1917	G.B.V.O. (Bihar)	For 13 years worked in veterinary hospitals, now engaged in artificial insemination work.	Pres.—Key Village Centre, Shri Gaushala, Firozabad, Agra. Perm.— C/o Balwant Singh, Commission Agent, Ghaziabad, Meerut.	Vety. Officer.	STO-G.
9123	Yadava, Dharampal.	1915	Dip. Vety. Medicine & Surgery. (Patna—'37)	Since 1937 working in the veterinary line.	Pres.— I/o Civil Vety. Hospital, Bidhuna, Distt. Etawah. Perm.— Vill. Mohans, Tehsil Sikandrabad, District Bulandshahr.	Vety. Asstt. Surgeon.	STO-G.
9124	Yogendra Singh.	1920	G.B.V.O. (Bihar—'46) Training in artificial insemination. (Mathura)	6½ years service in the veterinary line including artificial insemination work.	Pres.— I/o Civil Vety. Hospital, Sultanpur, U.P. Perm.— Vill. & P.O. Dhanapur, Distt. Banaras.	Vety. Asstt. Surgeon.	STO-G.
9125	Zia Ahmad.	1925	Grad. Vety. Science. (Patna—'46)	Since 1946 serving in the veterinary line especially doing medical & surgical work.	Pres.—I/o Vety. Hospital, Thanabhawan, District Muzaffarnagar. Perm.— O/o Dr. Baqai Ahmad, Mohalla Qazi, Saharanpur.	Vety. Asstt. Surgeon.	STO-G.
9126	Zoberi, M.N.	1920	G.B.V.O. (Bihar)	6 years work in the veterinary line.	Pres.—I/c Vety. Hospital, Amroha, U.P. Perm.— O/o Habib-ur-Nabi Zoberi. Qilla, Jama Masjid Street, Bareilly.	Vety. Asstt. Surgeon.	STO-G.
9127	Zuberi, Zamiruddin.	1925	G.B.V.O. (Bihar)	...	Pres.— Baheri, District Bareilly. Perm.— C/o Master Qamaruddin, Qilla, Jama Masjid Street, Bareilly.	Vety. Asstt. Surgeon.	STO-G.

# FORESTRY

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9128	Adriel, D.	1908	B.A. Chemistry, (Madras) Dip. in Forestry. (Travancore)	21 years service in forest department.	Pres.—Wadakancheri, Perm.— Glass House Road, Thyoaud, Trivan- drum.	Ranger.	STO-G.
9129	Agrawal, Suresh Chandra,	1928	B.Sc. Agri. (Agra-'47) M.Sc. Agrl. spl. Horti- culture. (Agra) A.I.F.O. (Dehra Dun)	Management and work- ing of forests, published papers.	Pres.— Bulaghat, M.P. Perm.— 338, Pirpanch Street, Mathura.	Asstt. Conser- vator of For- ests.	STO-G.
9130	Bachan Singh.	1920	B.Sc. Hons. (Punjab —'41) A.I.F.C. (Dehra Dun —'44)	10 years service in forest department.	Pres.— Phillaur, District Jullunder. Perm.— C/o Chief Conser- vator of Forests, Pun- jab, Simla.	Deputy Conser- vator of Forests.	STO-G.
9131	Balwant Singh.	1916	M.Sc. Botany. (Agra —'41) A.I.F.C. (Dehra Dun —'46)	Carried out research in wood anatomy for 3 years and since 1949 serving in the forest department. Working on demarcation of forests, anti-erosion, afforestation & soil con- servation works. Pub- lished papers on wood anatomy.	Pres.— Indore. Perm.— Jaora, M.B.	Silviculturist.	R-G.
9132	Basu, Sibadas.	1925	B.Sc. Hons. (Calcutta —'45) M.Sc. Appl. Physics. (Calcutta—'47) A.I.F.C. (Dehra Dun)	Management of forests.	Pres.— Forest Office, Jalpaiguri. Perm.— 96, Ballygunge Place, Calcutta 19.	Asstt. Conser- vator of Forests.	STO-G
9133	Bhagwat, Shankar Ramchandra.	1927	B.Sc. Hons. (Bombay —'48) A.I.F.C. (Dehra Dun —'51)	...	Pres.— Gir, Amreli, Bombay State. Perm.— C/o R P. Bhag- wat, P.O. Karki, Distt. N. Kanara.	Sub-Divisional Forest Officer.	STO-G.
9134	Bhargava, Nandan.	1914	B.Sc. (Agra—'37) A.I.F.C. (Dehra Dun) Course in Forestry, (Oxford—'47) F.I.Ent. Soc. F.R.H.S. (London)	Since 1940 engaged in general administration & organization of the forest department with specialization in the problems of afforestation of arid areas, contribut- ed pamphlets and bul- letins on forestry & related subjects.	Pres.— Western Circle, Udaipur. Perm.— Nayapura, Kotah.	Conservator of Forests.	STA-G.
9135	Bose, Amaresh.	1926	B.Sc. Hons. (Calcutta) A.I.F.C. (Dehra Dun)	4 years forest administra- tion work specialisation in afforestation in waste lands and soil conservation.	Pres -- Malda, West Bengal. Perm.— 12A, Gopal Biswas Lane, Calcutta 4.	Deputy Conser- vator of Forests.	STO-G.
9136	Bult, S.S.	1918	B.Sc. Hons. (Nagpur) A.I.F.C. (Dehra Dun)	Since 1942 serving in forest department.	Pres.-- South Chanda Division, Chanda, M.P.	Divisional Forest Officer	STO-G.
9137	Chakravarti, Raghu- natha.	1922	B.Sc. (Madras—'42) Assoc. I.F.R.C. (Dehra Dun—'47) A.I.F.C. (Coimbatore —'50)	10 years work in forestry and allied subjects; pub- lished popular articles of botanical and forestry interest	Pres.—C/o Silviculturist to Govt., Nagpur. Perm.— C/o Chief Con- servator of Forests, Nagpur.	Asstt. Silvicol- turist.	R-G.

## FORESTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9188	Chandras, Ganesh Shankar.	1917	B.Sc. (Bombay—'47) A.I.F.O. (Dehra Dun —'50)	...	Pres.—Danga, Ahwa, Perm.— Dahisar, P.O. Borivali, Bombay.	Sub-Divisional Forest Officer.	STO-G.
9189	Chati, Krishna Hanuman.	1915	B.Sc. (Banaras—'36) D.D.R. Hons. (Dehra Dun—'39) A.I.F.O. (Coimbatore —'51)	18 years service in forest department.	Pres.—U/o Conservator of Forests, Chhattisgarh Circle, Raipur. Perm.—O/o Shri V.H. Obati, Tekdi Lines, Sitalbuli, Nagpur.	Asstt. Conserva- tor of Forests.	STO-G.
9140	Chaturvedi, Prem Singh.	1928	B.Sc. (Agra—'46) D.D.R. (Dehra Dun —'52)	Engaged in silvicultural research.	Pres.— Nauratan Bag, Indore. Perm.— Patankar Bazar, Jashkar, Gwalior.	Research Range Officer.	R-G.
9141	Chaudhuri, Amal Bhushan.	1926	B.Sc. (Calcutta—'46) M.Sc. Botany. (Cal- cutta—'48) A.I.F.O. (Dehra Dun —'51)	2 years service in the forest department.	Pres.— P.O. Rajabhat- khawa, Jalpaiguri. Perm.— O/o B.B. Chau- dhuri, P.O. Laban, Shillong.	Asstt. Conserva- tor of Forests.	STO-G.
9142	Chaudhuri, Ram- krishna Rango.	1907	M.Sc. Maths. (Bom- bay—'30) LL B (Bombay—'31) B.Sc. Forestry. (Edin. —'34)	18 years development & 2 years research work in silviculture, forest utilisation & industries, forest management, working plans etc. Carried out various schemes of afforestation, management of village forests & grazing lands.	Pres.— Southern Forest Circle, Belgaum. Perm.— Do.	Conservator of Forests.	STA-G.
9143	Chaudhuri, K.N.	1919	B.Sc. Hons. (Calcutta) A.I.F.O. (Dehra Dun)	11 years work in silvi- culture, afforestation and forest utilization; published a paper on wood waste.	Pres.— Forest House, P.O. Dow-Hill, Distt. Darjeeling. Perm.— Opposite Veteri- nary Hospital, P.O. Krishnagar, Distt. Nadia.	Deputy Conser- vator of Forests.	STA-G.
9144	Chaudhuri, Sukumar.	1898	B.A. (Calcutta) B.A. (Oxon) Dip. Forestry. (Oxon).	During 99 years service worked in forest mana- gement, utilization, marketing and forest planning.	Pres.— P145, Regent Park, Tollygunge, Cal- cutta. Perm.— Do.	Conservator General of Forests.	STA-G.
9145	Choudhury, Daya- nidhi.	1916	B.Sc. Hons. (Patna —'36) Dip. in Forestry. (Dehra Dun—'40)	18 years general forestry work.	Pres.— P.O. Berhampur, Distt. Ganjam. Perm.— P.O. Bolgarh, Distt. Puri.	Conservator of Forests.	STA-G.
9146	Das, Eric Shantwan.	1919	B.Sc. (Punjab—'39) B.Sc. Hons. (Punjab —'41) A.I.F.O. (Dehra Dun)	4 years work in soil con- servation, timber ex- ploitation and forest management.	Pres.— Kulu Forest Division, Kulu. Perm.— O/o National Bank of India Ltd., Amritsar.	Deputy Conser- vator of Forests.	STO-G.
9147	Das, Gopal Krishna.	1924	B.Sc. Hons (Utkal —'44) A.I.F.O. (Dehra Dun —'47)	...	Pres.— Patna Division, P.O. Bolangir, Orissa. Perm.— Vill. Musing, P.O. Hasisingpur, Distt. Outback.	Division Forest Officer.	STO-G.

## FORESTRY—Contd.

S. No. St.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9148	Das, Gour Mohan.	1928	B.Sc., Hons. (Utkal —'48) A.I.F.O. (1950).	...	Pres.—Deogarh Division, P.O. Deogarh, Distt. Sambalpur. Perm.—Telenga Bazar, Cuttack.	Divisional Forest Officer.	STO-G.
9149	Das, Khagendra Chandra.	1927	B.Sc. (Dacca—'46) B.Ag. (Dacca—'48) A.I.F.O. (Dehra Dun —'51)	Forest management.	Pres.—Divisional Forest Office, Jalpaiguri. Perm.—C/o P.O. Das, 9, Jagatdih, Lava, P.O. Jagatdih, Distt. 24 Parganas.	Officer on Spe- cial Duty.	STO-G.
9150	Das, Murari Prasad.	1924	B.Sc., Hons. (Utkal —'45) A.I.F.O. (Dehra Dun —'48)	6 years forestry work.	Pres.— P.O. Angul, Orissa. Perm.—Nandpara, Sam- balpur.	Forest Re- search Officer.	STO-G.
9151	Datta, Rabindra Nath.	1902	B.Sc. (Allahabad—'23) M.Sc. Zoology. (Allahabad—'26) B.A. Forestry. (Ox- ford—'27)	During 26 years service worked in silviculture, forest management, protection and utiliza- tion.	Pres.— Eastern Circle, Raipur. Perm.— C/o The Chief Conservator of Forests, Nagpur.	Conservator of Forests.	STA-G.
9152	D'Cruz, Arnold Cas- mir.	1921	B.Sc. (Rangoon) B.Sc. Forestry. (Edin- burgh)	6 years forestry work.	Pres.— C/o The Chief Conservator of Forests, Port Blair, Andamans. Perm.— C/o A.J.D'Cruz Esq., Tent Lines, Mohan Nagar, Nagpur.	Personal Ass't.	STO-G.
9153	De, Barinden Nath.	1922	B.Sc. (Calcutta—'42) M.Sc. Botany. (Cal- cutta—'44)	Forest administrative work, published a paper concerning plant phy- siology.	Pres.—24 Parganas Divi- sion, 85, Gopalgangore Road, Alipore, Calcutta 27. Perm.— Lalbag, P.O. Murshidabad.	Divisional Forest Officer.	STA-G.
9154	Deep Singh.	1921	B.Sc. (Punjab—'44) A.I.F.O. (Dehra Dun)	5 years service in the forest department.	Pres.—Bilaspur, M.P.	Working Plan Officer.	STO-G.
9155	Dharm Pal Singh.	1920	B.Sc. Agri. (Punjab —'39) A.I.F.O. (Dehra Dun —'42)	11 years service in forest department, experience of forestry in high hills, soil conservation, and timber extraction. Con- tributed articles and pamphlets on various forest matters.	Pres.—Hoshiarpur Forest Division, Hoshiarpur. Perm.— Vill. & P.O. Manana, Distt. Kurnal.	Divisional Forest Officer.	STO-G.
9156	Dubey, Shambhu Prasad.	1924	B.Sc. (Allahabad) A.I.F.O. (Dehra Dun)	4 years service.	Pres.—Sidhi, V.P. Perm.— C/o Pt. Har Prasad Dubey, Mohella Ghigar, Rewa.	Divisional Ass't	STO-G.
9157	Dwivedi, Prasad. Omkar	1920	B.Sc. (Banaras—'39) M.Sc. Zoology. (Luok- now—'41) L.L.B. (Allahabad —'43) A.I.F.O. (Dehra Dun —'46)	7 years service in the forest department.	Pres.—Panna, V.P. Perm.— Bajpeintola, Uparabatti, Rewa.	Divisional Forest Officer.	STO-G.

## FORESTRY—Contd.

S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9158	Firdaus, Abdul Aziz.	1910	B.Sc. (Punjab—'39) M.Sc. Physics. (Alli- garh—'36) Dip. Forestry. (N. Wales—'38)	During 15 years service worked in silviculture, forest management, soil conservation, afforesta- tion, cultivation of medicinal plants, and timber & resin produc- tion.	Pres.— Jammu Forest Circle, Jammu. Perm.— Bagh Maghamal, Srinagar.	Conservator of Forests,	STA-G.
9159	Ganguly, Dilip Ku- mar.	1928	B.Sc. Hons. (Calcutta —'46) M.Sc. Appl. Physios. (Calcutta—'48) A.I.F.O. (1952)	Forest administration and research.	Pres.— P.O. Dammanpur, Distt. Jalpaiguri. Perm.— 41-69, Chunar Avenue, Calcutta 33.	Asstt. Conser- vator of Forests.	R-G.
9160	Ganguly, Jayanta Kumar.	1922	B.Sc. Hons. (Calcutta —'41) M.Sc. Botany. (Cal- cutta—'48) A.I.F.O. (Dehra Dun —'47)	During 6 years service worked in forest manage- ment, soil conservation and field research, pub- lished papers of cytolo- gical and cytogenetical interest.	Pres.— Jalpaiguri. Perm.— 19/1, Monohar Pukur Road, Calcutta 29.	Divisional Forest Officer.	STO-G.
9161	George, Mularikkal Paul.	1915	B.Sc. Hons. (Madras —'36) B.Sc. Forestry. (Edin- burgh — '39)	12 years work in various branches of forestry. Now doing survey, stock mapping and valuation of forests.	Pres.— Working Plans Division, Trichur, Tra- vancore-Cochin. Perm.— C/o Dr. M.P. Joseph, Radiologist, Govt. Hospital, Trivan- drum.	Deputy Con- servator of Forests.	STO-G.
9162	Ghosh, Bishnu Chandra.	1925	B.Sc. Hons. (Calcutta —'46) A.I.F.C (Dehra Dun)	Service in the Forest Directorate.	Pres.— West Bengal Forest School, Darjeel- ing.	Director.	T-G.
9163	Ghosh, Sham Su	1904	B.Sc. (Allahabad—'25) M.Sc. (Allahabad—'27) F.B.S. (India)	Since 1928 engaged in anatomical studies of Indian timbers, in rela- tion to identification, structure, properties & uses of wood, published papers on pure & applied plant anatomy.	Pres.— Forest Research Institute, P.O. New Forest, Dehra Dun. Perm.— 157/4/1, Bakul Bagan Road, P.O. Bho- wanipur, Calcutta 25.	Asstt. Wood Technologist.	R-G.
9164	Gupta, Arun Chandra.	1909	B.Sc. Hons. (Calcutta —'23) B.A. Forestry. (Oxford —'26)	23 years work in general forest administration and 3 years in research.	Pres.— Midnapore. Perm.— Do.	Divisional Forest Officer.	STA-G.
9165	Gupta, Raghunath Sahai.		For particulars, refer to S. No. ST. 7734 on page 917.				
9166	Gupta, Rameshwar Nath.	1910	D.D.R. Hons. (Dehra Dun—'32)	Forest silviculture and allied subjects.	Pres.— Rewa, V.P. Perm.— Do.	Divisional Asstt. Forest Officer.	STO-G.
9167	Hardwari Lal.	1910	B.Sc. (Delhi—'29) Course from Forest Rangers College. (Dehra Dun—'38)	20 years work in affore- station, timber testing for railway & military use, conservation and forest exploitation.	Pres—I/o Rohtak Range, Rohtak. Perm.— Vill. & P.O. Khera Kalan, Delhi.	Forest Range Officer.	STO-G.
9168	Hari Singh.	1910	B.Sc. Forestry. (Edin. —'34)	Since 1936 engaged in forestry, land develop- ment and soil conserva- tion work.	Pres.— Western Circle, Nasik.	Conservator of Forests.	STA-G.

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S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9169	Iyengar, Sreenivasa Rangaswami.	1893	Dip Forest College. (Coimbatore—'24) F.I. Ent. Soc.	Carried out research on casuarina and spike disease on sandal, lac cultivation and manu- facture of lac products; published papers on the spike diseases of sandal.	Pres.—91, Iyengar Street, Kumbakonam. Perm.— Do.	...	Btd.
9170	Iyppu, A.I.	1923	M.A. Botany. (Madras —'45) A.I.F.O. (Dehra Dun —'49)	Engaged in silvicultural research work.	Pres.— P.O. Kodanad, Travancore Cochin. Perm.—P.O. Karanchira, Travancore Cochin.	Silviculturist.	R-G.
9171	Jadhav, Yashawant Ganesh.	1930	B.Sc. (Nagpur—'49) A.I.F.C. (Dehra Dun —'52)	...	Pres.— R.C. Kharpani, P.O. Akot, Distt. Akola. Perm.— O/o R.S. Desh- mukh, P.O. Sirala, Distt. Amravati.	Asstt. Conser- vator of Forests.	STO-G.
9172	Jaswant Singh.	1906	Rangers Course. (Dehra Dun—'27)	26 years work in various branches of forestry and well conversant in silvi- culture and forest management.	Pres.— Indian Forest Ranger College, P.O. New Forest, Dehra Dun. Perm.— Office of the Chief Conservator of Forests, Simla.	Asstt. Instruc- tor.	T-G.
9173	Jee, Sreepal.	1920	B.Sc. (Patna—41) Dip. in Forestry. (Dehra Dun)	...	Pres.— P.O. Baripada, Distt. Mayurbhanj, Orissa. Perm.— Patburia Shahi, P.O. Puri.	Working Plans Officer.	STO-G.
9174	Joshi, Chintaman Mahadeo.	1932	B.Sc. (Bombay—'44) A.I.F.C. (Dehra Dun —'47)	...	Pres.—O/o Chief Conser- vator of Forests, Central Buildings, Poona 1.	Personal Asstt. to the Chief Conservator of Forests.	STO-G.
9175	Joshi, Raghunath Dattatraya.	1916	B.Sc. (Bombay) A.I.F.C. (Dehra Dun —'40)	From 1936-38 carried out research in biochemistry and since 1940 serving in forest department.	Pres.— Kanara Estate Division, Dharwar.	Divisional Forest Officer.	STO-G.
9176	Kalkini, Narayan Sheshgiri.	1916	B.Sc. (Bombay—'37) A.I.F.C. (Dehra Dun —'40)	Since 1940 serving in forest department; ex- perience of general administration and management of forests and saw mills.	Pres.— Research & Work- ing Plans Circle, Poona 1. Perm.— O/o Shri S.M. Kalkini, Saraswatpur, Dharwar.	Conservator of Forests.	STA-G.
9177	Kapur, Pratap Bahadur. (Capt.)	1920	B.Sc. (Agra—'39) M.Sc. Botany. (Agra —'41) A.I.F.O. (Dehra Dun —'49)	Timber utilization con- version and preservation.	Pres.— I.G.S. Central India, Post Box No. 307, Kapur Ghat. Perm.— O/o Shri P.N. Taudon, 22, Gokhle Marg, Lucknow.	Group Officer, (General Stores)	STO-G.
9178	Karamchandani, Jagu Varialsingh.	1907	B.Sc. Forestry (Edin. —'30) Special Course of training in Forest Utilization. (Dehra Dun)	Besides general forestry work organized and established branches of Forest Utilization and Department of Wild Life Preservation in Bombay.	Pres.— 42, Koregaon Lodge Koregaon Park, Poona 3.	Conservator of Forests.	STA-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9179	Kaul, Amar Nath.	1917	B.Sc. (Punjab—'38) Dip. Forestry. (North Wales—'40)	18 years service in forest department.	Pres.—Kishtwar Forest Division, P.O. Kishtwar, Jammu Kashmir State. Perm.— Karan Nagar, Srinagar.	Deputy Con- servator of Forest.	STO-G.
9180	Kekre, Vishwanath Ganesh.	1920	B.Sc. (Nagpur—'42) Assoc. I.F.R.C. (Dehra Dun—'45)	Since 1945 serving in forest department.	Pres.—C/o Silviculturist, Nagpur. Perm.— C/o Chief Con- servator of Forests, Nagpur.	Forest Ranger.	STO-G.
9181	Khan, Mohammad Abdul Waheed.	1923	B.Sc. Hons. (Bombay —'45) B.Sc. Forestry. (Edin- burgh—'47)	6 years service in forest department.	Pres.— North Bilaspur Forest Division, Bilas- pur. Perm.— C/o Chief Con- servator of Forests, Nagpur.	Divisional Forest Officer.	STA-G.
9182	Khushoo, J.L.	1904	B.A. (Punjab—'28) Provincial Forest Service Course. (Dehra Dun—'27)	27 years forestry work, contributions on the working plans for forests.	Pres.— Ramban Forest Division, P.O. Doda, Jammu (Tawi). Perm.—Sharika Bhawan, Telephone Exchange Road, Srinagar.	Divisional Forest Officer.	STA-G.
9183	Kirpekar, Chintaman Shivram.	1926	B.Sc. Hons. (Bombay) M.Sc. Botany. (Nag- pur) A.I.F.C. (Dehra Dun)	...	Pres.— Bilaspur Forest Division, Bilaspur. Perm.— C/o Dr. S.H. Kirpekar, Ramdas Peth, Nagpur.	Assistant Con- servator of Forests.	STO-G.
9184	Kotwal, Eduljee Khurshedjee.	1909	B.Sc. (Bombay—'25)	General forestry work.	Pres.— Southern Circle, Belgaum.	Conservator of Forests.	STA-G.
9185	Krishnamoorthy, K.	1909	B.A. (Madras—'31) Dip. of Forest Ran- ger's College. (Madras —'34)	Working for 9 years in various branches of forestry. Knowledge of minor forest produce, forest botany, ecology and systematic botany.	Pres.—Shenocottah, Tra- vancore-Cochin. Perm.— Trinity House, Nungambakkam, Madras.	Divisional Forest Officer.	STO-G.
9186	Krishnamurthy, Tha- yur Krishna Char.	1906	B.Sc. (Mysore—'26) Training in Sericulture Industry. (Japan —'61)	From 1928-58 worked in various silk farms, and 1958-todate conducting sericultural research.	Pres.— Sericulture Re- search Station, Chen- napatna. Perm.— Do.	Asstt. Director of Sericulture. (Research)	R-G.
9187	Kulkarni, D.H.	1918	M.Sc. (Nagpur) A.I.F.C. (Dehra Dun)	...	Pres.—Ambikapur, M.P. Perm.— C/o Chief Con- servator of Forests, Nagpur.	Divisional Forest Officer.	STA-G.
9188	Lahiri, Fulla Asoka.	1921	M.Sc. Chemistry. (Nagpur—'42) A.I.F.C. (Dehra Dun —'46)	..	Pres.—Chhindwara Forest Division, Chhindwara, M.P. Perm.— C/o Chief Con- servator of Forests, Nagpur.	Divisional Forest Officer.	STA-G.
9189	Lakhpat Rai.	1899	B.Sc. (Banaras—'20) Dip. in Forestry. (Ox- ford—'23) B.A. Forestry. (Oxford —'23) M.A. (Oxford)	Since 1923 engaged in forest administration, development and manage- ment work, published forest working plan of the Nimer Forest Divi- sion.	Pres.—Nagpur. Perm.— Do.	Chief Conserve- tor of Forests.	STA-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9190	Medan, Ude Singh.	1903	B.Sc. (Punjab—'29) Dip. Provincial Forest Service. (Dehra Dun—'26)	Since 1926 working in different branches of forestry including 11 years teaching work in forestry at the Forest Ranger's College Dehra Dun; prepared working plans for forests.	Pres.— Karnal/Hissar Forest Division, Karnal. Perm.— Do.	Divisional Forest Officer	STA-G.
9191	Mahapatra, Basudeb.	1926	B.Sc. Hons. (Andhra —'48) A.I.F.O. (Dehra Dun)	...	Pres.— Working Plans Division, Baripada Circle, P.O. Baripada, Distt. Mayurbhanj. Perm.— Vill. Kothara- singi, P.O. Girisola, Distt. Ganjam, Orissa.	Forest Officer.	STO-G.
9192	Mahapatra, Chunital.	1922	B.Sc. Hons. A.I.F.C. (Dehra Dun —'48)	5 years service in forest department.	Pres.—Sundargarh Forest Division, P.O. Sundar- garh. Perm.—Vill. Durgapur, P.O. Anantapur, Distt. Balasore.	Divisional Forest Officer.	STO-G.
9193	Mahapatra, Padma- binda.	1926	B.Sc. Hous. (Utkal —'47) A.I.F.O. (Dehra Dun —'50)	For the last 3 years serving in forest depart- ment.	Pres.— Patna Division, Bolangir, Orissa. Perm.—P.O. Puri.	Divisional Forest Officer.	STO-G.
9194	Malhotra, K. Ram.	1921	B.Sc. (Punjab—'39) LL.B. (Punjab—'43) M.S. Forest Utiliza- tion. (Syracuse-New York—'48)	Development of forest industries particularly veneer adhesives and plywood, saw milling wood working, wood sea- soning and preservation.	Pres.— Ministry of Commerce & Industry, Govt. of India, New Delhi. Perm.— "The Palms", Ferozepore.	Dy. Develop- ment Officer. (Timber)	STA-G.
9195	Mathur, Narayan.	1901	Provincial Forest Service Course. (Dehra Dun—'27)	Since 1928 engaged in forestry work, special- ised in silviculture. Prepared Banura Forest working plans.	Pres.—Sambalpur Circle, P.O. Sambalpur. Perm.—13, Jubilee Villa, Amritkaur Road, Dehra Dun.	Conservator of Forests.	STA-G.
9196	Matto, Brij Lal.	1929	B.A. (Punjab—'41) M.Sc. Chem (Luck- now—'46) B.Sc. Forestry. (Edin- burgh—'49)	Engaged in forest utiliza- tion work with special reference to saw milling, wood preservation, air seasoning, forest depot management, wood working, etc.	Pres.— Saw Mill Divn., Forest Dept., Port Blair, Aldemans Perm.— Karan Nagar, Srinagar.	Mill Manager	STO-G.
9197	Mehta, Jagjit Chand,	1904	B.Sc. (Punjab—'24) Provincial Forest Service Courses (Dehra Dun)	25 years service in forest department, contribu- tions on the working plans of Mandla Divn.	Pres. — Bilaspur Forest Division, Bilaspur.	Divisional Forest Officer.	STA-G.
9198	Mehta, R.G.	1919	B.Sc. Agril. (Nagpur —'41) Dip. in Forestry for Rangers. (1944) Dip. in Forestry for Officers. (1950)	Since 1944 doing forestry work.	Pres.—P.O. Itarsi, Distt. Hoshangabad. Perm.— P.O. Hatta, Distt. Sagar, M.P.	Asstt. Conserva- tor of Forests.	STO-G.
9199	Mishra, Narayan.	1918	B.Sc. (Agra—'36) A.I.F.C. (Dehra Dun —'42)	Since 1944 serving in forest department.	Pres.— Satpura Forest Division, Khargone, M.B.	Deputy Con- servator of Forests.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9200	Misra, Suresh Prasad.	1930	B.Sc. (Saugor—'48) M.Sc. (Saugor—'50) A.I.F.C. (Dehra Dun)	Service in forest depart- ment.	Pres.— Raipur Forest Division, Raipur. Perm.— C/o W.P. Misra, Hoshangabad.	Asstt. Conser- vator of Forests.	STO-G.
9201	Mitra, Tarun Kumar.	1927	B.Sc. Hons. (Calcutta —'47) A.I.F.C. (Dehra Dun —'51)	Forest administrative work.	Pres.— Divisional Forest Office, Midnapore. Perm.— 35/3A, Radha- madhab Saha Lane, Calcutta 7.	Divisional Forest Officer.	STO-G.
9202	Mohan, Parkash. Natar	1903	B.Sc. Hons. (Punjab —'20) Dip. in Forestry. (Oxon.—'23) M.A. (Oxon.—'28)	Since 1923 serving in I.F.S., specialised in ecology, forest types & grasses of the Punjab and Himachal Pradesh. Published several papers concerning working plans for the forests, afforestation in irrigated plantations, ecological succession in grass land, etc.	Pres.— Gorton Castle, Simla. Perm.— C/o Imperial Bank of India, Simla.	Chief Conserva- tor of Forests.	STA-G.
9203	Mohanty, Ramesh Chandra.	1945	B.Sc. Hons. (Utkal —'45) A.I.F.C. (Dehra Dun —'49)	Since 1949 engaged in forestry work, special- ized in silviculture and management of deciduous forests of broad leaved species and con- ifers.	Pres.— P.O. Bamra, Distt. Sambalpur. Perm.— Pathuria Sahi, Puri.	Divisional Forest Officer.	STO-G.
9204	Moon, Anandrao Rambhau.	1929	B.Sc. Agri. (Nagpur —'50) A.I.F.C. (Dehra Dun —'53)	Genetics & plant breed- ing, silviculture and forest management.	Pres.— North Bastar Forest Division, Jagdal- pur, M.P. Perm.— Pathnpura, Dadmalah Ward, Chanda, M.P.	Asstt Conser- vator of Forests.	STO-G.
9205	Mujumdar, Ramchan- dra Bhaskar.	1920	B.Sc. Hons. (Nagpur —'41) A.I.F.C. (Dehra Dun —'44)	9 years forestry work.	Pres.— Forest Dept., Nagpur. Perm— C/o Chief Con- servator of Forests, Nagpur.	Silviculturist.	R-G.
9206	Mukerjee, Dina- bandhu.	1907	B.Sc. (Calcutta—'27) Hons. Diploma from I.F.R.O. (Dehra Dun —'32)	Since 1932 serving in forest department, specialization in silvi- culture, forest botany, forest management & utilization.	Pres.— Assam Forest School, Jhalukbari, P.O. Pandu, Assam. Perm.— Do.	Principal.	T-G.
9207	Muthanna, M.A.	1904	B.Sc. Dip. I.F.S. (Dehra Dun)	24 years service in forest department.	Pres.— New Public Offices, Bangalore. Perm.— Do.	Chief Conserva- tor of Forests.	STA-G.
9208	Nair, Kelath Karuna- karan.	1922	B.Sc. (Madras—'42) Hons. Cert. of I.F.R.C. (Dehra Dun—'46) A.I.F.C. (Dehra Dun —'47)	From 1948-52 carried out general forestry work and since 1952 teaching forestry.	Pres.— Madras Forest College, Coimbatore. Perm.— Mayakote Kelath House, Ottap- alam, Malabar.	Instructor.	T-G.
9209	Nair, Vellupilla Sukumaren.	1928	B.Sc. (Annamalai —'46) A.I.F.C. (Coimbatore —'50)	...	Pres.— Trivandrum. Perm.— Punthottathu Veedu, Asramam, P.O. Quilon.	Asstt. Conser- vator of Forests.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9210	Nath, Chandra, Jogendra	1901	B.Sc. Hons. Forestry. (Edinburgh—'24)	28 years work in silvi-culture, forest management, utilization and administration, etc.	Pres.—Darjeeling. Perm.— 'Clunieavon', Acharya Jagadish Chandra Road, Darjeeling.	Conservator of Forests.	STA-G.
9211	Nigam, Chandra, Avinash	1928	B.Sc. Agri. (Nagpur—'49) A.I.F.C. (Dehra Dun—'52)	...	Pres.—Kodagaon. Perm.— Dharampeth, Nagpur.	Asstt Conservator of Forests.	STO-G.
9212	Nigam, Narain, Laxmi	1899	D.D.R. (Dehra Dun)	Since 1919 serving in forest department.	Pres.— Inside Jumerati Gate, Bhopal. Perm.— Do.	Divisional Forest Officer.	STO-G.
9213	Niranjan Lall.	1901	Forest Rangers Course. (Dehra Dun)	Since 1929 serving in forest department, now doing territorial duties and organization of forest extension work.	Pres.— Forest Department, Andamans. Perm.— Aberdeen Bazar, Port Blair, Andamans.	Asstt. Conservator of Forests.	STO-G.
9214	Niranjan Pal.	1900	B.Sc. (Calcutta—'21) B.A. Forestry. (Oxon.—'24)	10 years service in forest department, experience of afforestation and saw mill management.	Pres.— 32/3, Ballygunge Circular Road, Calcutta 19. Perm.— Do.	Conservator of Forests.	STA-G.
9215	Niranjan Singh.	1925	B.Sc. Agri. (Punjab—'44) A.I.F.C. (Dehra Dun)	6 years work in soil conservation, forest management and extraction of timbers.	Pres.— Kulu, District Kangra. Perm.— VIII. & P.O. Kotla Nohd Singh, Distt. Hoshiarpur.	Divisional Forest Officer.	STO-G.
9216	Oswald Allan.	1927	B.Sc. Agri. (Allahabad—'60) A.I.F.C. (Dehra Dun)	...	Pres.— C/o Divisional Forest Officer, Umaria, V.P. Perm.— Do.	Asstt. Divisional Forest Officer.	STO-G.
9217	Palit, Sasanka Bhushan.	1926	B.Sc. Hons. (Calcutta—'45) M.Sc. Applied Physics. (Calcutta—'47)	...	Pres.— 35, Gopalnagar Road, Calcutta 27. Perm.— Forest Directorate, Govt. of West Bengal, Calcutta.	Forest Utilization Officer.	R-G.
9218	Pandey, Prasad, Haribher	1918	M.Sc. Zoology. (Allahabad—'42) A.I.F.C. (Dehra Dun—'48)	From 1942-46 served in the education department, 1948-todate working in forest department.	Pres.—Chhatarpur, V.P. Perm.— O/o Pt. R.K. Panday, Retd. Deputy Director of Education, Satna, V.P.	Working Plan Officer.	STO-G.
9219	Pandya, Vidyashankar.	1914	B.Sc. Hons. (Calcutta—'37) LL.B. (Nagpur—'40) A.I.F.C. (Dehra Dun—'49)	12 years forestry work.	Pres.—Akola, M.P. Perm.—O/o Punamchand Pandya, Azad Gali, Chanda.	Deputy Conservator of Forests.	STA-G.
9220	Panigrahi, Shankar, Shiba	1926	B.Sc. Hons. (Utkal—'46)	...	Pres.— P.O. Bhawani-patua. Perm.— P.O. Sambalpur.	Divisional Forest Officer.	STO-G.
9221	Partap Singh.	1901	M.A. (Oxford—'23) Dip. in Forestry. (Oxford—'23)	30 years in forestry work and 5 years in soil conservation, contributions on forest subjects.	Pres.— Department of Forests, Punjab, Simla. Perm.— Do!	Conservator of Forests	STA-G.

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S. No ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9223	Pasupathi, Subramaniam.	1917	B.A. (Madras—'39) M.Sc. Maths. (Nagpur—'41) A.I.F.C. (Dehra Dun—'44)	Forest engineering and forest management.	Pres.—Baikunthpur, Perm.—O/o Forest Department, M.P., Nagpur.	Divisional Forest Officer.	STO-G.
9223	Patankar, Moreshwar; Shridhar.	1903	B.Sc. (Nagpur—'24)	26 years service in forest department.	Pres.— Central Forest Circle, Nagpur.	Conservator of Forests.	STO-G.
9224	Pillai, N. Sreedharan.	1908	B.A. (Madras—'27) Dip. in Forestry. (Coimbatore)	23 years forestry work.	Pres.—O/o Chief Conservator of Forests, Trivandrum. Perm.— Pallivilakom House, Thampanoor, Trivandrum.	Deputy Conservator of Forests.	STO-G.
9225	Poovaiab, Puttichandra Madappa.	1909	D.D.R. (Dehra Dun—'31)	29 years work in various branches of forestry, specialised in elephant cum-tramline extraction, silviculture and organization & management of timber depots.	Pres.—Andaman Timber Depot, Madras. Perm.—121-O, San Thome High Road, Mylapore, Madras.	Officer-in-Charge.	STA-G.
9226	Pujari, Banamali.	1928	B.Sc. Agril. (Banaras—'48) A.I.F.O. (Dehra Dun)	...	Pres.— Bolangir, Orissa. Perm.— Brahminpara, Sundargarh, Orissa.	Asstt. Conservator of Forests.	STO-G.
9227	Rajagopalan, T.K.	1922	B.Sc. (Madras—'43) Training in the Forest Rangers College. (Dehra Dun)	From 1946-52 carried out forestry work and 1952-todate engaged in teaching line.	Pres.— Regional Forest School, Madras Forestry College, Coimbatore. Perm.— O/o Sri T.V. Kothanda Rama Iyer, Trichengodu, Distt. Salem.	Asstt Instructor.	T-G.
9228	Reo, Neelay Anand.	1926	M.Sc. Botany. (Nagpur) A.I.F.O. (Dehra Dun)	2 years service in forest department.	Pres.— Amravati. Perm.— 140, Jubbulpur Cantt.	Assistant Conservator of Forests.	STO-G.
9229	Reo, Sirs Raghavendra.	1898	B.A. (Madras—'17) Provincial Forest Service Course. (Dehra Dun—'20)	33 years service in forest department.	Pres.—Umaria. Perm.— Ramanivas, Ganeshganj, Budhar Road, Shahdol.	Divisional Forest Officer.	STO-G.
9230	Rawal, Ram Dass.	1922	A.M.I.E.T. (1946) D.D.R. (Dehra Dun—'48)	...	Pres.—Hariana, Hoshapur	Forest Range Officer.	STO-G.
9231	Ray, Kiran Chandra.	1900	B.Sc. (Patna—'21) M.A. Forestry. (Oxford—'29)	25 years work in forest management and administration.	Pres.— Chhattisgarh Circle, Raipur. Perm.— O/o Imperial Bank of India, Raipur.	Conservator of Forests.	STA-G.
9232	Ray, Prabir Kumar.	1926	B.Sc. Hons. (Calcutta—'45)	5 years service in forest department.	Pres.— Krishnagar, Nadia. Perm.— Do.	Divisional Forest Officer.	STO-G.
9233	Ray, Tarak Nath.	1926	B.Sc. Hons. (Calcutta—'46) A.I.F.O. (Dehra Dun—'49)	4 years forestry work.	Pres.— Willow Dale, Darjeeling. Perm.—7/1, Girish Vidyareshna Lane, Calcutta 9.	Deputy Conservator of Forests.	STO-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9234	Romesh Chandra.	1926	M.Sc. Agri. (Punjab —'46)	For the last 4 years serving in forest department, at present doing silvicultural research.	Pres.—Silvicultural Re- search Forest Divn., Simla. Perm.— Do.	Divisional Forest Officer.	R-G.
9235	Roy Choudhury, Krishna Chandra.	1920	B.Sc. Hons. (Calcutta —'38) A.I.F.C. (Dehra Dun) P.G. training in Forestry. (Oxford —'52)	Since 1942 serving in the West Bengal Forest Department, experience in forest management, soil conservation, rais- ing of plantation and utilization of forest produce, published arti- cles on forestry.	Pres.— Directorate of Forests, Writers' Build- ings, Calcutta 1. Perm.—Upper Chelidanga, Assam.	... ...	STO-G.
9236	Rudra, Abi Bhushan.	1927	B.Sc. Hons. (Calcutta —'46) A.I.F.C. (Dehra Dun —'50)	9 years service in forest department.	Pres.—Bankura, Perm.—152 G, New Ali- pore, Calcutta 33.	Divisional Forest Officer.	STO-G.
9237	Sahni, Kallash Chandra.	1921	B.Sc. Hons. (Punjab —'48) M.Sc. Botany. (Punjab —'44) B.Sc. Forestry. (Oxon —'49)	Since 1944 engaged in forest botanical research concerning economic botany, systematics & high altitude floras; published papers of botanical interest.	Pres.—Forest Research Institute, Dehra Dun. Perm.— Do.	Asstt. Forest Botanist	R-G.
9238	Sandhu, Ranjodh Singh.	1925	B.Sc. (Punjab—'47) Forest Rangers Course (Dehra Dun —'51)	...	Pres.— Taran Taran Forest Range, Kot Mit Singh, Amritsar. Perm.— Do.	Forest Range Officer.	STO-G.
9239	Sarangi, Udayanath.	1928	B.Sc. Hons. (Utkal —'48) A.I.F.C. (Coimbatore —'50)	...	Pres.— Athgarh, Distt. Cuttack. Perm.— Vill. Agapal, P.O. Kujang, District Cuttack.	Divisional Forest Officer.	STO-G.
9240	Sat Guru Saran Lal.	1910	M.Sc Zoology. (Luck- now—'39) Rangers' Diploma. (Coimbatore—'38)	15 years service in forest department.	Pres.—Chhatarpur. Perm.—Gurgaon, Punjab.	Divisional Forest Officer.	STO-G.
9241	Saxena, Omprakash.	1927	M.Sc. Chemistry. (Agra—'49) A.I.F.C. (Dehra Dun —'52)	Silvicultural work.	Pres.—Office of the Chief Conservator of Forests, Indore. Perm.—C/o Shri Brijbasi- lal Varma, Banerji's Lane, Lohiya Bazar, Lashkar, Gwalior.	Asstt. Conserva- tor of Forests.	STO-G.
9242	Saxena, Dayal.	1928	B.Sc. (Agra—'48) A.I.F.C. (Dehra Dun —'51)	...	Pres.— Kayasthpura, Bhopal. Perm.— Do.	Asstt Conserva- tor of Forests.	STO-G.
9243	Sen Gupta, Jitendra Nath.	1899	B.A. (Calcutta—'20) Provincial Forest Service Course. (Dehra Dun—'23)	30 years work in various branches of forestry, specialised in tropical silviculture, published monographs and articles on the same.	Pres.—Office of the Silvi- culturist, 35, Gopal- nagar Road, Alipore, Calcutta 27. Perm.— Do.	Deputy Conserva- tor of Forests	R-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9244	Sharma, Kishore. Nand	1920	B.Sc. Hons. (Nagpur —'41) M.Sc. Math. (Nagpur —'42) A.I.F.C. (Dehra Dun)	9 years service in forest department.	Pres.— Hoshangabad, M.P. Perm.— Do.	Divisional Forest Officer.	STA-G.
9245	Sheikh, Ghulam Muhammad.	1928	B.Sc. (Aligarh—'49)	...	Pres.—P.O. Doda, Jammu & Kashmir State. Perm.— P.O. Bhadarwah, Jammu-Kashmir State.	Asstt. Conser- vator of Forests.	STO-G.
9246	Shrivastava, Ramesh- war Prasad.	1926	B.Sc. Agril. (Nagpur —'49) A.I.F.C. (Dehra Dun —'52)	...	Pres.—Chanda, M.P. Perm.— C/o N.P. Shri- vastva, Vill. Chartovia, P.O. Bilahra, District Sagar.	Asstt. Conser- vator of Forests.	STO-G.
9247	Shrivastava, Shyam Sunder	1919	B.Sc. (Nagpur—'41) A.I.F.C. (Dehra Dun —'50)	Since 1942 serving in forest department.	Pres.— Durg Division, Rajuaudgaon.	Divisional Forest Officer.	STO-G.
9248	Singh, R.K. Bijoy Chandra.	1911	B.A. (Calcutta—'34) D.D.R. (Dehra Dun —'41)	17 years of forestry work.	Pres.— Thangmerband, Khoyathong, P.O. Im- phal, Manipur. Perm.— Do.	Forest Officer.	STO-G.
9249	Singhal, Ram Mohan.	1925	M.Sc. Botany. (Luck- now—'46) B.Sc. Forestry. (Edin- burgh—'48)	Systematic botany, agro- silviculture, forest economics and forest utilization.	Pres.— Mandla, M.P. Perm.—C/o Chief Conser- vator of Forests, Nag- pur.	Divisional Forest Officer.	STO-G.
9250	Singh, Sunder. Gurdial	1899	B.Sc. Hons. (Punjab —'21) M.A. Forestry. (Oxon. —'23)	30 years service in forest department, including 3 years at Forest Re- search Inst., Dehra Dun; specialization in silvi- culture, forest adminis- tration, management and utilization.	Pres.—Central Building, Poona 1. Perm.— C/o Imperial Bank of India, Poona 1.	Chief Conser- vator of Forests.	STA-G.
9251	Sodhi, Harbhajan Singh.	1899	B.A. (Oxon.) M.A. (Oxon.) Dip. in Forestry.	Since 1923 serving in Indian Forest Service.	Pres.— South Raipur Forest Division, Raipur.	Divisional Forest Officer.	STA-G.
9252	Sohan Singh.	1926	B.Sc. Hons. (Punjab —'48) A.I.F.C. (Dehra Dun)	...	Pres.— Bhadarwah, Jammu & Kashmir State. Perm.—C/o Prof. Bhagat Singh, G.G.M. College, Jammu-Tawi.	Asstt. Conser- vator of Forests.	STO-G.
9253	Solanki, M.S.	1927	B.Sc. Agril. (Agra—'48) M.Sc. Agril. Botany. (Agra—'50) A.I.F.C. (Dehra Dun —'59)	Forest management.	Pres.—Divisional Forest Office, Hoshangabad.	Asstt. Conser- vator of Forests.	STO-G.
9254	Sondhi, G.S.	1903	B.Sc. Forestry. (Aber- deen-Scotland)	Since 1930 serving in forest department, spe- cialization in forest utilization work.	Pres.—Indore. Perm.— Do.	Chief Conser- vator of Forests.	STA-G.

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S. No. ST.	Name	Year of birth	Degrees, diplomas & technical qualifications	Experience	Address (s)	Present post	Remarks
9255	Sufi, Ghulam Resul.	1930	B.A. (Kashmir—'50) A.I.F.C. (Dehra Dun —'53)	Forest management.	Pres.— Kishtwar Forest Division, Kishtwar, J. & K. State. Perm— Drugjan-Dalgate, Srinagar.	Asstt. Conservator of Forests.	STO-G.
9256	Tara Singh.	1900	B.Sc. Hons. (Punjab —'22) B.A. Forestry. (Ox- ford—'24) M.A. Forestry. (Ox- ford—'29)	During 17 years service in the I.F.S. worked for 3 years as Silviculturist and for 14 years in forest management.	Pres.— Eastern Circle, Jabalpur, M.P. Perm.— O/o Imperial Bank of India, Jabalpur.	Conservator of Forests	STA-G.
9257	Thosre, Jagannath Ganpatrao.	1918	B.Sc. (Nagpur—'40) M.Sc. Botany.(Nagpur —'41) A.I.F.C. (1950)	Management of forests, raising of plantation of forest trees, protection of forests and timber exploitation.	Pres.— P.O. Allapalli, Distt. Chanda, M.P. Perm.—P.O. Berdi, Tahsil Sauvar, Distt. Chhind- wara, M.P.	Sub-Divisional Forest Officer.	STO-G.
9258	Varmah, Jugdish Chandra.	1922	M.Sc. Botany. (Allah- abad—'44) B.A. Hons. Forestry. (Oxford—'47) M.A. Forestry.(Oxford —'51) F.B.S. (India)	For the last 6 years serv- ing in the Forest De- partment, Andamans, engaged in the utiliza- tion and sale of timbers. Published papers on forest genetics.	Pres.—Andaman Timber Depot, Shalimar, How- rah. Perm.— Forest Depart- ment, Port Blair, Anda- mans.	Officer-in- Charge.	STO-G.
9259	Vasudevan, K.G.	1924	B.A. (Madras—'41) Hons. Cert. of the Indian Forest Ran- gers College, (Dehra Dun)	10 years service in forest department.	Pres.— Kodanad, Via Alwaye, Travancore Cochin. Perm.— P.O. Anthikad, Travancore-Cochin.	Forest Range Officer.	STO-G.
9260	Venkatram, Kadyam Guruswami.	1931	B.Sc. (Saugor—'50) A.I.F.C. (Dehra Dun —'53)	...	Pres.—Divisional Forest Office, Bilaspur. Perm.—C/o K. Guru- swami, 21, Denning Road, Jabalpur.	Asstt. Conserva- tor of Forests.	STO-G.
9261	Viswanathan, T.P.	1921	B.Sc. Hons. (Madras) M.A. (Madras) A.I.F.C. (Dehra Dun)	For 2½ years worked as Lecturer in Zoology, and since 1947 serving in forest department, published papers on forest entomology.	Pres.—Divisional Forest Office, Trichur. Perm.—Sundara Bhawan, Thycaud, Trivandrum.	Divisional Forest Officer.	STO-G.



## APPENDICES

### OCCUPATIONAL ANALYSIS OF PERSONS REGISTERED

Subject	Total Number Registered	Research	Teaching	Teaching & Research	Scientific & Technical Administration	Scientific & Technical Occupation	Unemployed	Miscellaneous*
Mathematics & Statistics	335	19	172	23	3	64	41	13
Physics	403	46	225	32	4	59	28	9
Meteorology	63	...	1	1	2	58	1	...
Chemistry	1389	178	229	109	33	516	267	57
Geology & Mineralogy	105	12	13	7	2	28	39	4
Metallurgy	132	10	5	2	4	87	12	12
Botany	180	31	70	22	2	20	29	6
Zoology & Entomology	269	68	62	37	3	61	36	2
Agriculture & Horticulture	570	63	64	19	12	365	40	7
Plant Breeding & Genetics	156	24	1	5	3	120	1	2
Plant Pathology	80	39	8	13	2	14	3	1
Animal Husbandry & Dairying	195	16	19	5	12	138	4	1
Veterinary Science	559	25	51	8	13	460	2	...
Forestry	134	12	5	...	36	80	...	1

\*This includes persons who have retired or engaged in miscellaneous occupations other than those classified above or have not furnished full particulars.

Out of the total number 4570 of Scientists & Technologists registered in the Part II of the Volume,

2616 are employed in Central & State Services including Defence Services,

336 employed in semi-Govt. Service,

219 employed in non-Govt. Service,

419 employed or engaged in Industry,

925 engaged in Teaching profession,

543 engaged in Research,

2,071 engaged in scientific & technical occupations,

503 unemployed.

## List of Scientific Periodicals Published in India

1. **Agra University Journal of Research (Science).** Registrar, Agra University, Agra.  
Ann. Subs. Rs. 15/-, Abroad Rs. 20/-
2. **Agricultural Situation in India.** (Monthly) Manager of Publications, Civil Lines, Delhi.  
Ann. Subs. Rs. 45/-
3. **Agriculture and Animal Husbandry, Uttar Pradesh.** (Monthly) Bureau of Agricultural Information, Chota Chhatar Manzil, Lucknow.  
Ann. Subs. Rs. 12/-
4. **Allahabad Farmer.** (Bi-monthly) Allahabad Agricultural Institute, Allahabad.  
Ann Sub. Rs 3/-; Abroad sh. 4.
5. **Annual Bulletin of the Allahabad Physics Society.** Allahabad University, Allahabad.
6. **Annual Review of Biochemical & Allied Research.** (Annual) Secretary, Society of Biological Chemists, P.O. Malleswaram, Bangalore 3.  
Per Copy Rs 3/-
7. **Bihar Agricultural College Magazine.** (Annual) Bihar Agricultural College, Sabour, Bhagal-pore. Ann Subs. Rs 4/-
8. **Bombay Technologist** (Annual) Secretary, Technological Association, Department of Chemical Technology, University of Bombay, Matunga Road, Bombay-9.  
Ann Subs. Rs. 4/-
9. **Bombay Veterinary College Magazine.** Bombay Veterinary College, Bombay.  
Rs. 3/- per issue.
10. **Bulletin and Memoirs of the Solar Physics Observatory, Kodaikanal.** (Semi-annual)
11. **Bulletin of the Allahabad University Mathematical Association.** (Annual) Allahabad University, Allahabad.  
Ann. Subs. Rs. 3/-
12. **Bulletin of the Botanical Society, University of Saugar.** (Bi-annual) Botanical Society, University of Saugar, Saugar. Ann. Subs. Rs. 2/-
13. **Bulletin of the Botanical Society of Bengal** (Semi-annual) 35, Ballygunge Circular Road, Calcutta.  
Ann. Subs. Rs. 10/-, Abroad sh. 15.
14. **Bulletin of the Calcutta Mathematical Society.** (Quarterly) Calcutta Mathematical Society 92, Upper Circular Road, Calcutta.  
Ann. Subs. Rs. 12/-; Abroad Rs. 13/-
15. **Bulletin of the Central Research Institute, University of Travancore.** (Issued in three series) Secretary, Editorial Board, Bulletin of the Central Research Institute, University of Travancore, Trivandrum.
16. **Bulletin of the Deccan College Research Institute.** Deccan College Research Institute, Poona.
17. **Bulletin of the Department of Agriculture, U.P.** (Monthly) Bureau of Agricultural Information, Chota Chhatar Manzil, Lucknow.  
Ann. Subs. Rs. 12/-
18. **Bulletin of the Department of Anthropology.** Director, Dept. of Anthropology, Govt. of India, Calcutta.
19. **Bulletin of the Geological, Mining and Metallurgical Society of India.** (Irregular) Geology Department, Presidency College, Calcutta. Ann. Subs. Rs. 2/-
20. **Bulletin of the Hyderabad Science Association,** (Annual) Hyderabad Science Association, Hyderabad Deccan.
21. **Bulletin of the Indian Central Coconut Committee.** (Monthly) Secretary, Indian Central Coconut Committee, Ernakulam. Ann. Sub. As. 12/-
22. **Bulletin of the Indian Society of Soil Scientists.** (Irregular) Secretary, Indian Society of Soil Scientists, Indian Agricultural Research Institute, Pusa Road, New Delhi.
23. **Bulletin of the National Institute of Sciences of India** (Occasional) National Institute of Sciences of India, Mathura Road, New Delhi.
24. **Bulletins of the Central Food & Technological Institute.** (Monthly) C.F.T.R.I., Cheluvamba Mansion, V. V. Mohalla P.O., Mysore. Ann. Subs. Rs. 9/-
25. **Bulletins of the United Provinces Forest Department.** (Irregular) Superintendent, Printing and Stationery, United Provinces, Allahabad.

26. **Calcutta Statistical Association Bulletin.** (Quarterly)  
Department of Statistics, Asutosh Building, Calcutta-7. Ann. Subs. Rs. 5/- ; Abroad sh. 10.
27. **Chemical Age.** (Twice in a year—April and October) Technical Press Publications, C-19, Sitaram Buildings, Hornby Road, Bombay. Ann. Subs. Rs. 10/-
28. **Current Science** (Monthly)  
Current Science Association, Malleswaram, Bangalore 3.  
Ann. Subs. Rs. 6/-; Abroad sh. 12.
29. **Defence Science Journal** (Semi-annual)  
Registrar, Defence Science Organization, Ministry of Defence, New Delhi.  
Ann. Subs. Rs. 3/-; Abroad sh. 5.
30. **Dharwar Agricultural College Magazine.** (Semi-annual)  
College of Agriculture, Dharwar.  
Ann. Subs. Rs. 4/-
31. **Eastern Anthropologist.** (Quarterly)  
Anthropology Laboratory, Lucknow University, Lucknow. Ann. Subs. Rs. 10/-
32. **Everyday Science—Journal of the Northern India Science Association** (Quarterly)  
Hargolal Road, Ambala Cantt.  
Ann. Subs. Rs. 5/-; Abroad sh. 10.
33. **Fact. Magazine of Fertilizers and Chemicals, Travancore.** (Monthly)  
Alwaye, Travancore. Ann. Sub. Rs. 3/-
34. **Ganita, Banaras Mathematical Society.**  
Department of Mathematics Lucknow University, Lucknow Ann Subs. Rs 10/-, Abroad sh. 15 , \$3.
35. **Garden News Sheet, (Royal Agri and Horticultural Society of India)** (Monthly)  
Royal Agri. and Horticultural Society of India, Alipore Road, Calcutta.
36. **Half-yearly Journal of the Mysore University. (Sec. B Science, Medicine and Engineering)** (Semi-annual)  
Mysore University, Bangalore  
Ann. Subs. Rs. 4/-
37. **Immunity Bulletin.** (Yearly)  
Bengal Immunity Research Institute, 39, Lower Circular Road, Calcutta.
38. **Indian Bee Journal** (Bi-monthly)  
P.O. Ramgarh, Distt. Nainital, U.P.  
Ann. Subs. Rs. 5/- ; Abroad Rs. 7/-
39. **Indian Coconut Journal.** (Quarterly)  
Indian Central Coconut Committee, Ernakulam. Ann. Subs. Rs. 2/-
40. **Indian Cotton Growing Review** (Quarterly)  
Indian Central Cotton Committee, Nicol Road, Ballard Estate, Bombay.  
Ann. Subs. Rs. 8/-
41. **Indian Dairyman** (Monthly)  
Hosur Road, Bangalore-1.  
Ann. Subs. Rs. 12/-
42. **Indian Ecologist.** (Irregular)  
Institute of Science, Mayo Road, Bombay. Rs. 15/- per volume.
43. **Indian Farming.** (Monthly)  
Manager of Publications, Civil Lines, Delhi.  
Ann. Subs. Rs. 6/-
44. **Indian Food Packer.** (Monthly)  
18, Aurangzeb Road, New Delhi.  
Ann. Subs. Rs. 10/-
45. **Indian Forest Bulletins** (Irregular)  
Forest Research Institute, Dehra Dun.
46. **Indian Forest Leaflets.** (Irregular)  
Forest Research Institute, Dehra Dun.
47. **Indian Forest Records.** (Irregular)  
Forest Research Institute, Dehra Dun.
48. **Indian Forester** (Monthly)  
Forest Research Institute, Dehra Dun.  
Ann. Subs. Rs. 15/-; Abroad £1.4sh.
49. **Indian Journal of Agricultural Economics**  
Hon. Secretary, Indian Society of Agricultural Economics, 46-48, Esplanade Mansions, Mahatma Gandhi Road, Fort Bombay
50. **Indian Journal of Agricultural Science.** (Quarterly)  
Manager of Publications, Civil Lines, Delhi.  
Ann. Subs. Rs. 3/-; Abroad sh. 5.
51. **Indian Journal of Dairy Science.** (Quarterly)  
Indian Dairy Science Association, Hosur Road, Bangalore 1.  
Ann. Subs. Rs. 12/-; Abroad £1, \$4.00.
52. **Indian Journal of Entomology.** (Semi-annual)  
Entomological Society of India, New Delhi.  
Ann. Subs. Rs. 16/- ; Abroad Rs. 17/-
53. **Indian Journal of Genetics & Plant Breeding.** (Semi-annual)  
Indian Society of Genetics & Plant Breeding, New Delhi.  
Ann. Subs. Rs. 15/- ; Abroad Rs. 16/-
54. **Indian Journal of Helminthology.** (Semi-annual)  
Lucknow University, Lucknow.  
Ann. Subs. Rs. 10/-
55. **Indian Journal of Horticulture.** (Quarterly).  
Horticultural Society of India,  
117, 'M' Block Hutsments, New Delhi.  
Ann. Sub. Rs. 12/-; Abroad Rs 13/-

56. **Indian Journal of Meteorology & Geophysics.** (Quarterly)  
The Observatory, Lodi Road, New Delhi.  
Ann. Subs. Rs. 10/-
57. **Indian Journal of Pharmacy.** (Bi-monthly)  
Department of Chemical Technology,  
Matunga, Bombay-19. Ann Subs. Rs. 5/-
58. **Indian Journal of Physics & Proceedings of  
the Indian Association for the Cultivation  
of Sciences.** (Monthly)  
Indian Association for the Cultivation of  
Sciences, 210, Bowbazar Street, Calcutta.  
Ann Subs. Rs. 20/-; Abroad £2.
59. **Indian Journal of Veterinary Science &  
Animal Husbandry.** (Quarterly)  
Indian Council of Agricultural Research,  
Ministry of Food and Agriculture, Shah-  
jehan Road, New Delhi.  
Ann. Subs. Rs. 6/-; Abroad sh. 9-6d.
60. **Indian Minerals.** (Quarterly)  
Mineral Information Bureau, Geological  
Survey of India, Calcutta.  
Ann. Subs. Rs. 8/-, Abroad sh. 12.
61. **Indian Pharmacist.** (Monthly)  
7, Lower Rawden Street, Calcutta.  
Ann. Subs. Rs. 3/-; Abroad \$2.00.
62. **Indian Phytopathology.**  
Secretary, Indian Phytopathological Society,  
Pusa Buildings, New Delhi.  
Ann. Subs. Rs. 14/-; Abroad sh. 21, \$ 4.50.
63. **Indian Poultry Gazette.** (Quarterly)  
Indian Poultry Club, Izatnagar, U.P.  
Ann. Subs. Rs. 4/-
64. **Indian Print & Paper.** (Quarterly)  
Chartered Bank Building, Calcutta.  
Ann. Subs. Rs. 3/8/-; Abroad sh. 5-6d.
65. **Indian Pulp & Paper.** (Monthly)  
I-A, Vansittart Row, Calcutta-1.  
Ann. Subs. Rs. 12/-; Abroad £1, \$4.50.
66. **Indian Soap Journal.** (Monthly)  
PII, Mission Row Extension, Calcutta.  
Ann. Subs. Rs. 6/-; Abroad sh. 12.
67. **Indian Standards.** (Irregular)  
Indian Standards Institution, 19, University  
Road, Delhi-2.
68. **Indian Textile Journal.** (Monthly)  
Indian Textile Journal Ltd., Bombay.  
Ann. Subs. Rs. 24/-; Abroad £2-10 sh.
69. **Indian Tobacco.** (Quarterly)  
Indian Central Tobacco Committee, 3, Lloyds  
Road, Madras. Ann. Subs. Rs. 3/-
70. **Indian Veterinary Journal.** (Bi-monthly)  
26, Wallajah Road, Mount Road, Madras 2.  
Ann. Subs. Rs. 8/-; Abroad sh. 13-8d.
71. **Ionospheric Data.** (Monthly)  
Research Engineer, All India Radio, New  
Delhi. Restricted. Unpriced.
72. **ISI Bulletin.** (Quarterly)  
Indian Standards Institution,  
19, University Road, Delhi-2.  
Ann. Subs. Rs. 4/-; Abroad sh. 6.
73. **Journal and Proceedings of the Institution  
of Chemists (India).** (Quarterly)  
Chemical Department, Medical College,  
Calcutta. Ann. Subs. Rs. 8/-
74. **Journal of the Anthropological Society of  
Bombay.**  
136, Apollo Street, Bombay.
75. **Journal of the Asiatic Society of Bengal  
(Sciences) (Irregular)**  
Asiatic Society of Bengal, 1, Park Street,  
Calcutta.
76. **Journal of the Association of Principals of  
Technical Institutions of India.** (Quarterly)  
C/o Delhi Polytechnic, Lothian Road, Delhi.  
Ann. Subs. Rs. 6/8/-
77. **Journal of the Banaras Hindu University.**  
(Irregular) Banaras.
78. **Journal of the Biological Society of Assam.**  
University Botany Laboratory, Cotton  
College, Gauhati. (Assam)  
Rs. 2/- per copy.
79. **Journal of the Calcutta University.** (Depart-  
ment of Science)  
University of Calcutta, Calcutta.  
Rs. 6/- per volume.
80. **Journal of the Gujarat Research Society.**  
(Quarterly)  
46-48, Esplanade Mansion, Mahatma Gandhi  
Road, Bombay-1.  
Ann. Subs. Rs. 6/-
81. **Journal of the High Explosives Factory Tech-  
nology Association, Kirkee, Poona 3.**  
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82. **Journal of the Indian Anthropological Insti-  
tute.** (Irregular)  
Indian Anthropological Institute, Indian  
Museum, Calcutta-13.  
Ann. Subs. Rs. 10/-; Abroad sh. 15.

83. **Journal of the Indian Botanical Society.** (Quarterly)  
Botany Department, Institute of Science, Mayo Road, Bombay.  
Ann. Subs. Rs. 15/-; Abroad £1-3 sh.
84. **Journal of the Indian Chemical Society.** (Monthly)  
Indian Chemical Society, 92, Upper Circular Road, Calcutta.  
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85. **Journal of the Indian Chemical Society (Industrial & News Edition)** (Quarterly)  
Indian Chemical Society, 92, Upper Circular Road, Calcutta. Ann. Subs. Rs. 6/-
86. **Journal of the Indian Mathematical Society.** (Quarterly)  
Indian Mathematical Society, Madras-4.  
Ann. Subs. Rs. 6/-
87. **Journal of the Indian Society of Agricultural Statistics.** (Semi-annual)  
Indian Society of Agricultural Statistics, I.C.A.R., Jam Nagar House, New Delhi.  
Ann. Subs. Rs. 18/-; Abroad Rs. 20/-
88. **Journal of the Madras Institute of Technology.** (Bi-annual)  
Madras Institute of Technology, Chrompet P O., Madras.  
Ann. Subs. Rs. 8/-; Abroad sh. 16, \$ 2 00
89. **Journal of the Madras University.** (Semi-annual)  
University Buildings, Madras.  
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90. **Journal of the Mysore University.** (Semi-annual)  
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Ann. Subs. Rs. 4/-
91. **Journal of the Science Club.** (Quarterly)  
Science Club, 22, Ramesh Mitter Road, Bhowanipur, Calcutta. Ann. Subs. Rs. 4/8/-
92. **Journal of the Scientific Research, Banaras Hindu University.** (Bi-annual)  
Editor, Dr. R.K. Asundi, University Professor of Spectroscopy, P. O. Banaras Hindu University, Banaras.
93. **Journal of the Scientific & Industrial Research.** (Volume A & B) (Monthly)  
Council of Scientific & Industrial Research, Old Mill Road, New Delhi.  
Ann. Subs. Rs. 15/-; Abroad sh. 30.
94. **Journal of the University of Bombay.** (5 issues a year)  
Fort, Bombay. Ann. Subs. Rs. 12/-
95. **Journal of the University of Gauhati.** (Annual)  
University of Gauhati, Assam.  
Rs. 3/- per copy.
96. **Journal of the University of Travancore.** (Annual)  
Registrar, University of Travancore, Trivandrum.  
Ann. Subs. Rs. 3/8/-
97. **Journal of the Zoological Society of India.** (Semi-annual)  
Zoological Survey of India, Indian Museum, 27, Chowringhee, Calcutta.  
Ann. Subs. Rs. 10/-; Abroad Rs. 22/-
98. **Jute Bulletin.** (Monthly)  
Indian Central Jute Committee, 4, Hastings Street, Calcutta.  
Ann. Subs. Rs. 5/8/-; Abroad sh. 10.
99. **Kanpur Agricultural College Magazine.** (Bi-annual)  
Govt. Agricultural College, Kanpur.  
Ann. Subs. Rs. 3/-
100. **Madras Agricultural Journal.** (Monthly)  
Agricultural College and Research Institute, Coimbatore.  
Ann. Subs. Rs. 6/-; Abroad Rs. 7/-
101. **Madras Veterinary College Association Annual.** (Yearly)  
Madras Veterinary College, Madras.  
Ann. Subs. Rs. 12/-; Abroad sh. 22.
102. **Magazine of the Government College of Technology.** (Bi-annual)  
Coimbatore.
103. **Mathematics Student.** (Quarterly)  
2, Bhaskarapuram, Mylapore P.O., Madras-4.  
Ann. Subs. Rs. 6/-
104. **Memoirs of the Asiatic Society of Bengal.** (Irregular)  
Asiatic Society of Bengal, 1, Park Street, Calcutta.
105. **Memoirs of the Geological Survey of India.** (Irregular)  
Manager of Publications, Civil Lines, Delhi.  
Geological Survey of India, 27, Chowringhee Road, Calcutta.
106. **Memoirs of the Indian Meteorological Department.** (Published in parts)  
Manager of Publications, Civil Lines, Delhi.
107. **Metal Market Review.** (Weekly)  
38, Strand Road, Calcutta.  
Ann. Subs. Rs. 12/-
108. **Miscellaneous Bulletins of the Indian Council of Agricultural Research.** (Irregular)  
Manager of Publications, Civil Lines, Delhi.
109. **Miscellany.** (Monthly)  
Teppakulam, Tiruchirapalli.

110. **Nagpur Agricultural College Magazine.** (Quarterly) College of Agriculture, Nagpur. Ann Subs. Rs. 3/4/-, Abroad Rs. 3/8/-
111. **Nagpur University Journal** (Annual) Registrar, Nagpur University, Nagpur. (C.P.) Ann. Subs. Rs 3/-
112. **Paintindia** (Monthly) 208, Himalaya House, Palton Road, Bombay. Ann. Subs. Rs. 25/-
113. **Palaeontologia Indica** (Irregular) Geological Survey of India, 27, Chowringhee Road, Calcutta and Manager of Publications, Civil Lines, Delhi. Ann. Subs. Rs 5/-
114. **Physics Quarterly.** (Quarterly) The Physics Teachers Association, Allahabad. Ann. Subs. Rs. 6/-; Abroad Rs. 8/-
115. **Phytomorphology.** (Quarterly) International Society of Plant Morphologists, University of Delhi, Delhi Ann. Subs. Rs. 30/-; Abroad £2-10/-
116. **Plant Protection Bulletin.** (Quarterly) Plant Protection Adviser, Directorate of Plant Protection, Quarantine and Storage, Ministry of Agriculture, Govt. of India, Jamnagar House, New Delhi. Ann. Subs. Rs. 2/-
117. **Planters Journal and Agriculturist.** (Monthly) The Planters Society, Huldiabari Tea Estate, Bilunaguri P.O., Dooars. Rs. 8/- per copy
118. **Poona Agricultural College Magazine** (Semi-annual) Agricultural College, Poona-5 Ann Subs. Rs. 4/-
119. **Presidency College Zoology Magazine.** Madras. (Unpriced )
120. **Proceedings of the Asiatic Society of Bengal.** (Irregular) Asiatic Society of Bengal, 1, Park Street, Calcutta.
121. **Proceedings of the Convention of the Sugar Technologist Association of India** (Semi-annual) Secretary, Association of India, Nawabganj, Kanpur. Ann. Subs. Rs. 5/-
122. **Proceedings of the First Biennial Conference of Sugarcane Research Workers in Indian Union.** (Annual) Secretary, Indian Central Sugarcane Committee, 3, Pusa Road, New Delhi.
123. **Proceedings of the Indian Academy of Sciences.** (Section A) (Monthly) The Indian Academy of Sciences, Bangalore. Ann. Subs. Rs. 18/-
124. **Proceedings of the Indian Academy of Sciences.** (Section B) (Monthly) The Indian Academy of Sciences, Bangalore. Ann. Subs. Rs. 18/-
125. **Proceedings of the Indian Science Congress.** Indian Science Congress Association, 1, Park Street, Calcutta.
126. **Proceedings of the Indian Society of Soil Science.** (Irregular) Secretary, Indian Society of Soil Science, Indian Agricultural Research Institute, Pusa Buildings, New Delhi.
127. **Proceedings of the Mysore Geologists Association** (Quarterly) Mysore Geologists Department, Bangalore-1.
128. **Proceedings of the National Academy of Sciences (India)** (Irregular) Council of National Academy of Sciences, Allahabad. Ann. Subs. Rs. 5/-; Abroad Rs. 5/8/-
129. **Proceedings of the National Institute of Sciences of India** (Irregular) National Institute of Sciences of India, Delhi. Ann. Subs. Rs. 11/-
130. **Proceedings of Rajasthan Academy of Sciences** (Yearly) Pilani, Rajasthan. Ann. Subs. Rs 6/-
131. **Proceedings of the Society of Biological Chemists (India)** (Annual) Society of Biological Chemists (India), Malleswaram P.O., Bangalore. Ann Subs. Re. 1/-; Abroad sh. 2.
132. **Proceedings of the Zoological Society of Bengal.** (Semi-annual) Zoological Society of Bengal, 85, Ballygunge, Circular Road, Calcutta 19. Ann. Subs. Rs. 10/-; Abroad £1.
133. **Punjab Farmer.** (Quarterly) Principal, Government Agricultural College, Ludhiana, East Punjab. Ann. Subs. Rs. 2/8/-
134. **Quarterly Bulletin of the Fuel Research Institute (India)** (Quarterly) Fuel Research Institute, Jealgora P.O., Manbhumi Distt., Bihar. Ann. Subs. Rs. 4/-
135. **Quarterly Journal of the Geological, Mining & Metallurgical Society of India** (Quarterly) Geological Department, Presidency College, Calcutta. Ann. Subs. Rs. 12/-; Abroad R.s 16/-

136. **Quarterly Journal of the Indian Institute of Science.** (Quarterly)  
Indian Institute of Science, Bangalore.  
Ann. Subs. Rs. 16/-
137. **Quarterly Technical Bulletin.** (Quarterly)  
Director, Civil Engineering, Railway Board,  
Govt. of India, Delhi.  
Ann. Subs. Rs. 3/-
138. **Records of the Botanical Survey of India.**  
(Irregular)  
Manager of Publications, Civil Lines, Delhi.
139. **Records of Geological Department of the State of Mysore.** (Irregular)  
Geological Survey of Mysore, Bangalore.
140. **Records of the Geological Survey of India.**  
(Irregular)  
Geological Survey of India, 27, Chowringhee Road, Calcutta.
141. **Records of the Geological Survey of India-Bulletins of Economic Minerals.** (Irregular)  
Geological Survey of India, 27, Chowringhee Road, Calcutta and Manager of Publications, Civil Lines, Delhi
142. **Records of the Indian Museum.** (Quarterly)  
Manager of Publications, Civil Lines, Delhi.
143. **Research Bulletin of the East Punjab University.** (Zoology)  
Registrar, East Punjab University, Hoshiarpur.
144. **Rubber India.** (Monthly)  
Indian Rubber Industries Association, Homji Street, Fort, Bombay. Re. 1/- per copy.
145. **Sankhya—The Indian Journal of Statistics.**  
(4 parts a year)  
Statistical Publishing Society, Presidency College, Calcutta.  
Ann. Subs. Rs. 61/-
146. **Science & Culture.** (Monthly)  
Indian Science News Association, 92, Upper Circular Road, Calcutta.  
Ann. Subs. Rs. 10/-; Abroad £1; \$ 4.00.
147. **Science & Engineering.** (Monthly)  
Indian Society of Engineers, 12, Netaji Subhas Road, Calcutta.  
Ann. Subs. Rs. 8/-; Abroad sh. 15.
148. **Sciences & Technic.** (Quarterly)  
Engineering and Technology Department, Delhi Polytechnic, Kashmere Gate, Delhi.
149. **Seismological Bulletins of the Meteorological Department.** (Irregular)  
Manager of Publications, Civil Lines, Delhi.
150. **Soap.** (Monthly)  
South Indian Soap Makers Association, Perumanur, Ernakulam, South India.  
Ann Subs. Rs. 6/-, Abroad sh. 10, \$3.00
151. **Tanner** (Monthly)  
Jer Mansion, Bandra, Bombay 20.  
Ann. Subs. Rs. 15/-; Abroad sh. 25.
152. **Technical Bulletins, Leaflets, Indian Central Cotton Committee.** (Irregular)  
Indian Central Cotton Committee, Nicol Road, Ballard Estate, Bombay.
153. **Technical Bulletins of the Bureau of Agricultural Information.** (Irregular)  
Bureau of Agricultural Information, Chota Chattar Manzil, Lucknow.
154. **Technical Bulletins of the Central Leather Research Institute** (Monthly)  
Guindy, Madras-15.
155. **The Farmer.** (Monthly)  
Director of Publicity, Govt. of Bombay, Bombay. Ann. Subs. Rs. 3/-
156. **Transactions of Bose Research Institute.**  
(Annual)  
The Bose Research Institute, 93/1, Upper Circular Road, Calcutta.
157. **Transactions of the Indian Ceramic Society.**  
Indian Ceramic Society, Department of Ceramics, Banaras Hindu University, Banaras  
Ann. Subs. Rs. 6/-
158. **Transactions of the Indian Institute of Metals.**  
(Semi-annual)  
Indian Institute of Metals, 23-B, Netaji Subhas Road, Calcutta.  
Re. 1/- each copy.
159. **Transactions of the Mining, Geological and Metallurgical Institute of India.** (Semi-annual)  
The Mining, Geological and Metallurgical Institute of India, 27, Chowringhee, Calcutta.  
Rs. 4/- each copy.
160. **Transactions of the National Institute of Sciences of India.** (Irregular)  
National Institute of Sciences of India, Delhi.
161. **United Provinces Veterinary Magazine.**  
(Quarterly)  
U.P. College of Veterinary Science and Animal Husbandry, Mathura.  
Ann. Subs. Rs. 5/-
162. **Veterinary Review.** (Monthly)  
201, Panchanentala Road, P.O. Howrah, West Bengal. Ann. Subs. Rs. 2/-

## SCIENTIFIC RESEARCH IN INDIA

By S D. MAHANT

(Secretary, National Research Development Corporation, New Delhi)

The story of modern science in India is essentially a narrative of its development during the last 50 years, for although a beginning had been made in the last century, significant progress only began to be recorded in the early years of the twentieth century. A major share of the credit for the rapid pace of progress undoubtedly goes to the universities. As traditional homes of learning and new knowledge, the universities have made substantial contributions towards securing for science and its application an important place in the minds of educated India. In the early stages naturally the main emphasis was on teaching of science, creating science consciousness and carrying the message of science to the layman. Some of the university men were also interested in undertaking a search for new scientific knowledge but real emphasis on scientific research can only be said to have begun during and after the turmoils of the First World War (1914-18). Since then scientists from Indian universities have made substantial contributions to various branches of modern science—ranging from anthropology at one end to zoology at the other. These activities have mainly been responsible for securing Indian science and Indian scientists their present position in the scientific world.

As is generally the case, the pattern of science in universities that has emerged has been the development of schools of research around promising workers but they have been handicapped by lack of equipment, want of accommodation, long hours of routine teaching, due to inadequacy of staff and paucity of funds. Substantial assistance and incentives have

therefore to be provided to universities to overcome these and other difficulties, to enable them to train research workers of the correct calibre in large numbers and to raise the general quality and quantity of research, for obviously a few distinguished workers in a large country like India are not enough.

Although at some universities applied research has also received some attention, their main emphasis has been on the fundamental aspects of scientific research and promotion of applied research has generally been left to be fostered by special organizations brought into being for certain specific purpose. These organisations cover all spheres of national welfare including public health, medicine, engineering and technology but these subjects have been dealt with elsewhere. The present review is restricted to general scientific and industrial research, survey of natural resources and agricultural research.

The need for developing natural resources like minerals and forest produce was responsible for the bringing into being of the Survey of India in 1800, the Geological Survey of India in 1851, and the Forest Research Institute in 1878. Recurring famines and draughts, damage to crops from pests and insects, low yields and inferior quality of agriculture produce, all helped to focus attention on the desirability of promoting agricultural research. The Pusa Institute was established in 1903 followed by the gradual setting up of several commodity committees and in 1929, the Imperial (now Indian) Council of Agricultural Research was constituted to foster agricultural research in general on an organized basis.

The general field of scientific and industrial research did not however receive much attention. In 1934 an Industrial Research Bureau was set up with the specific object of making "a beginning and to lay the foundations on which a research organization suitable for the needs of the country could later be constructed". It was left to World War II to bring home the need for placing scientific and industrial research on an organised basis. The creation of Board of Scientific & Industrial Research in 1940 and the holding in abeyance of Industrial Research Bureau represents the first concrete step in this direction. The working of this organisation helped to bring into bold relief the inadequacy of the facilities for this purpose and the need for augmenting them considerably if scientific research was to make an effective contribution to the industrial development of the country. Council of Scientific & Industrial Research was accordingly brought into being as an autonomous organisation to foster and develop scientific research in its various ramifications so as to enable science to play its assigned role in promotion of national welfare.

During its early period, Council of Scientific & Industrial Research made several notable contributions to the progress of scientific research in the context of prevailing circumstances, but a real setting of the pace only became possible with a change in the political status of India. With the advent of independence, science in India began to receive increased state patronage, the most important factor being the inspiring guidance and personal interest of the Prime Minister in furthering the promotion of science for practical purposes. The announcement of "Scientific Research" as a distinct portfolio assumed by the Prime Minister himself was the first concrete step in this direction to be followed by the creation of a Department of Scientific Research in 1948 and its elevation to a Ministry of Natural Resources and

### Scientific Research in 1951.

Amongst the various measures taken by the national Government for promoting scientific research may be mentioned—establishment of national laboratories, promotion of research in industry, setting up of an Atomic Energy Commission, intensification of the survey of natural resources and scientific liaison with other countries. India is an active member of international scientific unions. Research development and utilisation have been stimulated and an Indian National Scientific Documentation Centre (Insdoc) has been established in collaboration with UNESCO. Insdoc provides microfilm and photographic copies of scientific documents and translations of publications to scientists in South East Asia and compiles for them bibliographies on specified subjects. Research aids such as library services and publication of results of research have been expanded; a national research professorship has been created and a census of technical and scientific personnel has been undertaken. Scientific instruments of certain categories have been exempted from customs duty and expenditure on research or donations to research institutions can be claimed as an item of business expenditure in computing the income tax leviable on a firm.

Most of these developments can be traced directly or indirectly to Council of Scientific & Industrial Research whose activities have been expanding at a fast rate during the last few years. Ever since its inception the Council has through a large number of research committees covering diverse fields of science sponsored research in pure and applied sciences at universities and other research institutions with the concurrent object of training scientific personnel for scientific institutions and industry. It has sought to encourage research for the sake of research and attract research talent wherever available for operating research projects.

The Council has been educating industry into the benefits of promoting research through the establishment of co-operative research organisations. It has undertaken a comprehensive information survey of the natural resources of India, vegetable, animal and mineral and the information collected and collated is being published in a series of well edited encyclopaedic volumes under the general title "Wealth of India".

By drawing attention to their basic importance, the Council has stimulated interest and investigation into many problems of an imperative nature such as intensification of the search for alternate sources of sulphur, production of sulphur and sulphuric acid from gypsum, development of liquid fuels from coal, production of iron by the low shaft furnace etc. Establishment of oil refineries in the country and emphasis on research for new sources for petroleum have received considerable impetus from the emphasis which the Council has placed on their urgent development.

Perhaps the most important achievement of the Council has been the establishment of a chain of national laboratories in various parts of the country. Conceived with vision, expertly planned, built in modern style and well equipped for advanced research, these laboratories are amongst the finest institutions of their class in the world. The scope of their work covers a wide field and includes research in fundamental and applied subjects. Their functions are both complementary and independent, intended more to supplement than to supplant the work of existing research institutes organised by individuals or collective industrial concerns or universities.

**National Physical Laboratory, New Delhi,** has as its main function, the maintenance of basic standards of mass, length and time, and derived standards like those

required for electrical and electronic instruments, temperature, luminosity, properties of metals etc. Physical research which relates fundamentally to utilisation and processing of raw materials for industry, standardisation of processes and scientific controls for improvement in the quality of industrial products is the concern of the laboratory. With a view to eventually raise the standard of industrial efficiency, the laboratory offers advice on framing of specifications and devises suitable tests for easy testing of the quality of manufactured products. The scientific work of the laboratory is conducted in divisions dealing with weights and measures, applied mechanics, heat and power, optics, electricity, electronics, sound, industrial physics and analytical chemistry. A section on low temperature research has been recently added.

**National Chemical Laboratory, Poona,** attempts to bridge the gap between science and its application by providing a link between the universities, state and other scientific institutions on the one hand and industry on the other. The scientific work of the laboratory is of a fundamental and applied character along lines likely to promote research in industrial chemistry, in technology and chemical utilisation of raw material for development of industry. Besides promoting fundamental investigations essential for maintenance of a stimulating research atmosphere and keeping the work on a high level in keeping with rapidly advancing scientific knowledge, the developmental work in the laboratory takes the form of improving old processes in the light of new scientific knowledge and of developing new processes to pilot plant stage. The laboratory is responsible for all spheres of chemical research, in which specialised institutions have not been brought into being. Research is conducted through divisions of biochemistry, organic chemistry, inorganic chemistry,

physical chemistry, plastics and high polymers, chemical engineering and survey and information. The national collection of type cultures is housed in the laboratory

**National Metallurgical Laboratory, Jamshedpur**, covers all aspects of metallurgical research both fundamental and applied and carries on work on ores, minerals and refractories as applied to metallurgy. Investigations are conducted on examination, preparation and melting of metallic ores, smelting, heat-treatment and working, structure and physical properties, electro-deposition and surface treatment of metals and alloys. Subjects of study include chemical analysis, physical chemistry and physics as it affects metallurgical problems. Facilities are provided for application of research results to commercial operating conditions and study of such conditions as affect the quality of products and the efficiency and economy of commercial production. Some of the investigations are being conducted in collaboration with other organisations like Indian Bureau of Mines and Atomic Energy Commission.

**Fuel Research Institute, Digwadih, Dhanbad**, conducts research into the major problems of fuels—solid liquid and gaseous—and operates the physical and chemical surveys of coals in India, with a view to provide a reliable assessment of the quality and quantity of the resources of different types of coal. In addition to problems of fundamental and applied research, technical investigations into the sampling and analysis of fuels are also undertaken and pilot plants developed for different processes. Furnaces, combustion and boiler plants, high and low temperature carbonisation, coal washing, powdered coal, briquetting, gasification, hydrocarbon synthesis, tar hydrogenation, liquid fuels, smoke and atmospheric pollution are some of the subjects engaging attention at the Institute.

In order to assess the coal resources of the country five regional coal survey stations have been set up at Ranchi, Digwadih, Raniganj, Bilaspur (Madhya Pradesh) and Jorhat and are engaged in a systematic physical and chemical survey of coals in their areas.

**Central Glass & Ceramic Research Institute, Calcutta**, is entrusted with research relating to glass, pottery including porcelain, enamels, refractories and mica utilisation. Its functions include fundamental work having a bearing on different branches of glass and ceramics and their testing and standardization, technical assistance to industry, dissemination of information and training of technologists. Improvements in existing technique of manufacture and commencement of processes, which have not yet been undertaken in India, receive particular attention. The Institute collaborates with other organisations like the Geological Survey of India in the preparation and execution of plans for detailed surveys of raw materials in which it is interested. It undertakes investigations on the properties of clays and sands, their practical utility and where necessary, methods for their beneficiation. The training imparted at the Institute is of a standard commensurate with requirements of industry and its progress; arrangements for the technical staff to acquire experience of factory working are also envisaged.

**Central Drug Research Institute, Lucknow**, has as its ultimate object the stimulation of progress in the control and treatment of disease through facilitating investigations to establish the usefulness and limitations of diagnostic, preventive and therapeutic agents. This involves not only the promotion of critical clinical investigations of new therapeutic agents but also taking into consideration possible new uses for old ones according to varying factors. The essential functions of the

Institute are—promotion of drug research in general in its different aspects, testing and standardization of drugs and giving expert opinion thereon as a guide to further research development and production in so far as they relate to its own work and provision of controlled clinical trials in hospitals, clinics, etc. The scope of work extends from systematic scientific study, including in vitro and vivo trials of crude drugs that have been in use in indigenous systems of medicines for centuries at one end, to the highly developed field of synthetics and antibiotics at the other.

**Central Food Technological Research Institute, Mysore**, deals with all aspects of food technology. Its general scope includes development of improved methods of food storage, reclamation and utilization of infested or affected food material, processing and preservation of foods by different methods, treatment of coarse food material to improve their palatability and digestibility, new and unfamiliar food materials and their processing, production of concentrated foods, vitamins and other food accessories and supplementaries, dietetics, developments of new methods of detection and prevention of adulteration, food sanitation and treatment and utilization of waste products in food industries. Fruit processing and preservation and training of fruit technologists constitutes an important part of the activities of the Institute.

**Central Road Research Institute, New Delhi**, meets the needs for research in the important subject of improving road communications in India and co-ordinates experimental work on the subject. Some of its important functions are fundamental research underlying the behaviour of material used in road construction like soils, stones, bricks, cements, bitumen etc., correlation of laboratory test results on standard material with those under actual

service conditions, tests on soils and study of soil mechanics for evolution of low cost roads, standardization of specification for roads and road building plant and machinery, development of instruments for various tests on roads and bridges, studies on the characteristics of different types of roads under different traffic conditions, incidence of accidents, road safety devices and road statistics. The programme of work is planned with due reference to the requirements of the country and includes district and village roads and national and state highways. It collaborates with other organisations, trains technologists and advises on technical matters connected with road construction.

**Central Building Research Institute, Roorkee**, includes amongst the scope of its work, materials used in construction of building and designing and construction of buildings to suit Indian climatic conditions. It undertakes examination of building materials in common use and the methods of applying them with a view to effecting economy and improvement wherever possible, examination of new materials or processes, scientific diagnosis of cause of difficulties and failures in materials or their application and determination of standards for materials and workmanship. Attention is directed to development of existing materials and production of new ones. One of the important functions of the institute is to conduct investigations designed to cater to the needs of villages for cheap houses using readily available materials. The activities of the institute are all comprehensive including engineering and structural aspects of buildings, effect of mechanisation and prefabrication on construction techniques, comfort and efficiency of buildings and improvements in quality of raw materials.

**Central Leather Research Institute, Madras**, forms the centre of all scientific

**activities connected with leather and tanning industry.** It concerns itself with investigation into the complex problems of leather technology with particular reference to Indian conditions and tanning materials so as to raise the standard and efficiency of both the village and organised industry. The scope of work includes all aspects of research, fundamental, applied and developmental. Particular emphasis is laid on scientific control of processes, introduction of mechanical methods of production and standardization of the physical properties of leather by approved tests. Subjects of investigations include studies into the different operations involved in leather technology including bacterial and enzymic reactions, influence of temperature, concentration etc. on vegetable, mineral and combination tanning and the quality of leather. A model tannery is attached to the Institute.

**Central Electro-chemical Research Institute, Karaikudi,** carries on investigations in electro-chemistry and its application in chemical industries with particular reference to problems relating to the use of indigenous raw material in new industries and increasing the efficiency of existing industries. The subjects covered include electro-chemical production of important organic and inorganic substances, electro-deposition, electro-winning and electro-refining, passivity and corrosion, electro-metallurgy, electro-analysis, electro-thermal processes, and primary and secondary batteries. The scope of work includes fundamental as well as basic research and attention is devoted to design of equipment used in electrical processes.

**Central Salt Research Station, Bhavnagar,** is concerned with investigations designed to secure sustained improvement in the quality of Indian salt from sea and lake bitterns, reduction of costs and economic utilisation of by-products of salt manufacture. A model salt farm for

experimental and demonstrative purposes forms an integral part of the Institute.

**Central Electronic Engineering Research Institute, Pilani,** has as its object, research and development of electronic engineering in all its aspects; utilisation of indigenous raw materials in manufacture of components, building of electronic instruments, investigation on radar and allied devices and expanding the application of electronics in industry.

#### **INSTITUTIONS ATTACHED TO MINISTRY OF NATURAL RESOURCES & SCIENTIFIC RESEARCH**

In addition to the national laboratories established under the aegis of Council of Scientific & Industrial Research, Ministry of Natural Resources & Scientific Research are sponsoring research in a number of other institutions.

**Atomic Energy Commission,** has sponsored research on problems in nuclear physics and subjects aimed at production and development of nuclear energy for peaceful purposes. A unit for production of radiation meters and other electronic instruments has been set up. Possibilities of producing heavy water are being investigated. The Rare Minerals Survey Wing of the Commission is engaged in field investigations on the occurrence, association and paragenesis of minerals of the rare metals and rare earth group and petrological work. An intensive survey for atomic minerals such as uranium, thorium, beryllium, monazite and lithium is in progress.

**Tata Institute of Fundamental Research, Bombay,** is an important centre for advanced work in nuclear physics and applied mathematics. Besides research, lectures in these subjects by eminent Indian and foreign scientists are arranged. Cosmic ray investigations and research in fundamental particles form special features of its activities.

**Physical Research Laboratory, Ahmedabad**, makes an integrated study of the earth's atmosphere including its responses to solar and cosmic influences, cosmic ray research in all its aspects and serves as a study and research centre for advanced physics.

**Institute of Nuclear Physics, Calcutta**, offers facilities to post M.Sc. students for theoretical and technical research and training, including training in atomic energy, nuclear science and biophysics and carries on scientific investigations in these subjects.

**Institute for Radio Physics and Electronics, Calcutta**, carries on fundamental and applied research on radio physics and electronics with special reference to problems of wave propagation. A pilot plant for construction of radio valves has been installed and facilities are available for testing of commercial products.

**Indian Association for the Cultivation of Science, Calcutta**, conducts fundamental researches in X-rays, magnetism, optics, theoretical physics and chemistry in its different branches organic, inorganic, physical. Amongst the subjects under study are crystalline structure of compounds, elastic constants of crystals, Raman spectra, absorption of ultra high frequency radio waves, relativistic scattering of neutrons by protons, meson field theories and nuclear scattering, theory of relativity, and  $\alpha$ -decay phenomenon, synthesis of organic compounds, analytical applications of complex salts, high polymer chemistry, chain transfer studies, measurement of dielectric constants and dipole moments.

**Survey of India, Dehra Dun**, is interested in research on geodetic and geographical problems.

**Botanical Survey of India, Calcutta**, undertakes floristic and ecological surveys

of Indian plants and compiles botanical monographs on systematic botany. Besides a museum and a library, it also maintains a herbarium of plant materials.

**Zoological Survey of India, Calcutta**, has as its main function research on systematic zoology, animal ecology, faneristic surveys and zoo geography. Comprehensive surveys of Indian fauna are undertaken. The survey is particularly interested in Indian fish and houses the best equipped zoology library in the East.

**Geological Survey of India**, has as its primary function the preparation of a geological map of India to form the basis for future geological work including an appraisal of the mineral deposits of the country. The detailed geological mapping is undertaken by field officers who work in close collaboration with the Public Works Departments of State Governments. The Geophysical Section is at present mainly concerned with water supply and engineering geological problems and location of small mineral deposits. A Mineral Information Bureau has been organised with the object of assisting and advising the public on development and utilisation of mineral resources. To encourage and assist the teaching of geology in classes and colleges, the Department presents collections of minerals, rocks and fossils and also arranges lectures to students and the public.

**Indian Bureau of Mines**, is concerned with minerals and their beneficiation. At present it is mainly interested in conducting mineral surveys for manganese, pyrites, ilmenite, sulphur, chromite, etc.

**Indian School of Mines and Applied Geology, Dhanbad**, is mainly an institution for training of mining engineers and geologists but some of its departments also conduct research in their respective subjects.

**Bose Institute, Calcutta**, conducts research in physics, chemistry, plant physiology, cytogenetics, plant breeding, microbiology and zoology. Work on a number of schemes on jute, cotton and oilseeds is in progress.

**Birbal Sahni Institute of Palaeobotany, Lucknow**, conducts research work predominantly on the fossil floras of India and of adjacent regions and problems connected therewith, to obtain knowledge of the composition of various floras, the form and structure of different plant species, their distribution in time and space etc., and to help clarifying geological problems relating to the age and correlation of sedimentary rocks. Investigations have been taken up on microfossils spores and pollen grains preserved in great numbers in sediments to throw light on the changes in climate and vegetation and on the history of man.

#### **STATE GOVERNMENT INSTITUTIONS.**

**Central Laboratories for Scientific and Industrial Research, Hyderabad Deccan**, carry on research both of a fundamental and applied nature with emphasis on utilisation of local raw materials, vegetable and mineral, and development of industrial processes based on them. As a part of its programme for carrying out a systematic survey of the resources of Hyderabad, the laboratories have undertaken a survey of ceramic materials and Hyderabad coals and Madras lignites.

**Jiwaji Industrial Research Laboratory, Gwalior**, is interested in the exploitation of nature resources of Madhya Bharat and their application to start new industries.

#### **RESEARCH ASSOCIATIONS**

Of the three research associations established in India, two, *viz.* Silk and Art Silk Manufacturers Research Association

and South India Textile Research Association are still in a formative stage. Ahmedabad Textile Industry's Research Association, Ahmedabad carries on research, applications of physics, physical chemistry and chemistry, statistics and industry psychology in problems of the textile industry. Pilot plant facilities are available for spinning, weaving and processing. The analytical section provides laboratory testing facilities to mills not having their own laboratories.

#### **OTHER RESEARCH INSTITUTIONS**

**Shri Ram Institute for Industrial Research, Delhi** concentrates on short-term industrial research problems having a direct application. Modelled on the lines of Mellon Institute, it provides research, testing and process engineering services to a number of industries. The institute maintains vigorous personal contacts with various sections of industry and users and puts up small scale pilot plants for demonstrating the commercial success of their research projects.

**Tisco Research and Control Laboratory, Jamshedpur**, maintained by Tata Iron & Steel Company Limited carries on research in metallurgical, chemical and physical investigations relating to steel plants problems. The laboratory works in close co-operation with National Metallurgical Laboratory and the laboratory of Directorate of Inspection, Metallurgy, Govt. of India, Tata Nagar.

**Sir Profulla Chandra Research Laboratory, Calcutta**, carries on fundamental and applied research in organic, synthetic and biochemical colloids and thermotherapy.

**Indian Institute of Science, Bangalore**, conducts post-graduate research and training in physics, general organic and biochemistry, aeronautical engineering, internal combustion engineering, metallurgy,

power engineering, electronic technology, electrical communication engineering, chemical technology and chemical engineering. The Library of the institute is one of the best equipped.

**Indian Academy of Sciences, (Raman Institute) Bangalore**, is a centre for advanced research in crystal physics, molecular physics and related fields with special reference to spectroscopy and scattering of light to explain the optical behaviour of various minerals and precious stones and their structure and physical properties.

**Research Department, All India Radio, Delhi**, deals with broadcasting engineering as practised in India. Ionospheric investigations are carried out in co-operation with the N.P.L. England and other interested bodies in India.

**Institute of Psychological Research and Service**, conducts research on problems in different branches of applied psychology, like industrial, educational, general test, construction and personality research.

**Imperial Chemical Industries (I.C.I.) Laboratories**, are mainly interested in the technology of plastics and rubber and research on related aspects.

**Ramanujan Institute of Mathematics**, has only recently been started with the object of undertaking advanced research in all branches of Mathematics.

**The Indian Statistical Institute, Calcutta**, undertakes on commercial or business like lines, statistical inquiries and surveys of all kinds on behalf of government departments and public authorities or private concerns. It has facilities for research and training normally for advanced students, officers on deputation from government departments and scientific institutions. It also provides instructions in computation for junior workers. The institute has operating branches at Madras

Delhi, Lucknow and other centres of India. Most of its work is carried out in the Statistical Laboratory at Calcutta. Inquiries relating to statistical questions covering a wide range, agricultural and forest research, meteorology, flood control and irrigation, biometry and anthropology, experimental and educational psychology, public health and medicine, diet surveys and nutrition experiments, crop forecasts and crop planning, labour inquiries, rural welfare, consumer preferences, economic and business surveys of all kinds are in progress.

**Indian Meteorological Department, New Delhi**, carries on research in meteorology and climatology etc. It has well-equipped workshops and laboratories at Poona and Delhi for designing, testing and calibrating various meteorological and allied instruments.

**The Solar Physics Observatory, Kodaikanal**, is mainly devoted to the study of problems on solar physics. Its present programme includes preparation of photo-heliograms of flocculi in K and H-alpha light and of prominences in calcium light. Studies of the character and motions of eruptive prominences and solar out-bursts and other phenomena, related to sun's activities are an important part of the observational programme. Special studies which include spectro-photometric work on selected lines in the solar spectrum of the disc and on the limb, together with laboratory work on atomic and molecular spectra have in recent years been introduced. Stellar spectroscopic work and ionospheric and magnetic work for daily observation are also undertaken. The International Astronomical Association has allotted the task of collecting from all contributing observatories and collating the data of solar prominences. The Observatory exchanges spectro-heliograms with Mount Wilson Observatory, U. S. A., the Cambridge Solar Physics, Observatory

**Great Britain and the Meudon Observatory France.**

**The Drug Research Laboratory, Jammu & Kashmir, Jammu-Tawi,** works on the chemistry of indigenous drugs and their medicinal use in pharmaceutical preparations, standardization of crude drugs and substitutes for B.P. and B.P.C. plants, biological standardization of drugs, antibiotics from plant materials and soil bacteria, etc.

**Nutrition Research, Laboratory, Coonoor,** is interested in nutrition research, nutritive values of foodstuffs, methods of vitamin testing, basic nutritional research, animal experimentation and clinical investigations. It acts as an advisory bureau on all questions of nutrition relating to calorific value and protein, fat, carbohydrate, calcium, phosphorus, iron and vitamin contents of different food materials.

**National Research Development Corporation of India, New Delhi.** Very recently the Government of India has set up a National Research Development Corporation of India to take up development of Indian inventions at existing factories and also by installing semi-commercial, prototype or pilot plants wherever necessary to ensure that the results of original scientific inquiry are translated to industrial production. The activities of the Corporation cover inventions emanating from national laboratories and other research institutes, and patents obtained by universities and individuals, where deemed necessary in the public interest.

#### **AGRICULTURAL RESEARCH**

The vital importance of promoting agricultural research in its different aspects was recognised at a comparatively early stage and a number of research institutions were organised by central and state governments to undertake investigations on agricultural problems of general and local interest. The results of researches conducted at various research institutes

are usually transmitted to agricultural workers and peasants through an organisational chain headed by Directors of agriculture in every state and a number of district and field officers.

The Indian Agricultural Commission which reported on the general question of agriculture development in India in 1928 recommended the creation of a central agency for developing and co-ordinating agricultural research both at the centre and the states and Indian (then Imperial) Council of Agricultural Research was brought into being in 1929 for this purpose. The Council does not maintain any research laboratories of its own; it supports general agricultural research by financing research schemes in research institutes and universities. In formulating and initiating research schemes, all aspects of agriculture and animal husbandry are taken into consideration. In addition there are a number of commodity committees entrusted with the research and development of particular commodities.

Agricultural research has included all possible crops and every aspect of crop production. Attention has been devoted to the breeding and introduction of improved varieties, crop cultivation, pest control and harvesting to increasing the yield of rice, wheat, barley, maize and pulses. An all India soil survey has been in progress since 1942 and tentative soil maps of different dates have been prepared. Attention has also been devoted to soil erosion and role of organic matter in the soil.

In the field of animal husbandry methods of immunising sheep and cattle against anthrax, black-quarter and rinderpest have been developed. Foot and mouth disease, bovine tuberculosis, helminthiasis and other diseases have received attention. Other outstanding problems include nutritional deficiencies consequent on shortage and poor quality of

fodders and feeding stuffs and their improvement to ensure fullest utilisation and role of trace elements.

**Directorates in the Ministry of Food and Agriculture.** Besides maintaining a number of central research institutes, Ministry of Food and Agriculture has also attached to it three directorates whose activities are helpful to research in many ways.

Directorate of Plant Protection and Plant Quarantine deals with problems relating to protection of plants from pests and diseases and prevention of diseases and pests from entering the country along with imported plants. The Directorate is responsible for anti-locust operations and organises active campaigns for destruction of locusts etc., whenever necessary.

Directorate of Economics and Statistics is mainly concerned with collection of data in various fields of agriculture and animal husbandry.

Directorate of Marketing and Inspection looks after the marketing of agricultural produce and fixation of standards.

#### CENTRAL RESEARCH INSTITUTIONS

**Indian Agricultural Research Institute, New Delhi**, undertakes research in all subjects of agriculture involving an integrated study of soils, crops, manures, irrigation and livestock in their climatic settings, their nutritive value as fodders and feeds and other factors, agricultural mechanization to increase operative efficiency, design and improvement of existing implements and methods, development and utilization of techniques for plant breeding, evolution and evaluation of new techniques for crop improvement, cheap and efficient control measures against insect pests etc. The work of the institute is carried out in six divisions dealing with agronomy, agricultural chemistry and soil sciences, agricultural engineering, myco-

logy and plant pathology, botany and entomology.

**Central Rice Research Institute, Cuttack, Orissa**, is interested in all aspects of rice cultivation including plant breeding, genetics, cytology, physiology, agronomy, statistics, pests, diseases etc.

**Central Potato Research Institute, Patna, Bihar**, undertakes research in all aspects of potato development including evolution of improved varieties for different climatic and soil zones in the plains and in the hills, determination of optimum standards of cultivation and manuring, survey, study and control of major pests and diseases and maintenance and small scale multiplication of disease-free stocks of seeds of improved varieties. The Institute is assisted by three sub-stations at Simla, Kufri and Bhowali.

**Indian Dairy Research Institute, Bangalore**, is concerned with various aspects of dairy science. Grass roots and starter cultures, etc. are distributed.

**Indian Veterinary Research Institute, Mukteswar and Izatnagar**, is the largest organisation for purpose of (a) conducting research on diseases, nutrition, animal genetics, poultry and cognate matters, (b) for imparting post-graduate training in different branches of veterinary science and animal husbandry (c) for giving advice, guidance and co-operation in research work on these subjects throughout the country, (d) for manufacturing biological products for the protection of livestock against diseases and (e) improving the quality and standards of biological products by constant research and touch with workers in other countries of the world. There are two livestock research stations at Mathura and Hissar.

**Indian Institute of Sugar Technology, Kanpur**, undertakes research on problem of sugar technology and chemistry and utilization of by-products of the sugar

industry. The institute forms the training centre for sugar technologists and this enables it to maintain contacts with sugar factories. An experimental sugar factory is attached and help of sugar mills is secured whenever necessary for its research.

**Forest Research Institute, Dehra Dun**, is the traditional headquarters of scientific forests in India who combines the dual function of training forest workers and research in various aspects of forestry. Its functions include fundamental and applied investigations on cultivation, production and utilisation of natural forest products, identity of major and minor forest products, timbers and crops, care and management of forests directed towards rearing and protecting forests, enhancing their value and securing a more efficient utilisation of various forest resources. Work on silviculture, control of soil erosion, protection of forests from injurious fungi and insects, timber structure and identification, industrial utilisation of cellulosic material for paper manufacture and other industries based on forest products fall within its wide scope.

**Fisheries Research.** The Government of India maintains three research stations for fisheries research, Central Marine Fisheries Station at Mandapam, a Central Inland Fisheries Research Station at Calcutta and a Deep Sea Fisheries Station at Bombay. The Mandapam station handles general investigations pertaining to marine fisheries while the Calcutta station is concerned with investigations on the nature of fishery resources of inland waters including estuaries, hydro-biological and other environmental factors, optimum conditions for their maximum output, safeguards for conservation of resources. These research stations impart practical and theoretical training to selected candidates deputed by state governments or institutions.

### AGRICULTURAL COLLEGES

Besides these central institutes, agricultural research is also pursued in agricultural colleges in various states.

(a) Government Agricultural College Ludhiana, conducts research on crop plants, diseases and pests, manures and fertilizers, agricultural implements and machinery as well as irrigation, water, etc.

(b) In Uttar Pradesh, a number of institutions devote themselves to instruction and research in agricultural subjects. At the Kanpur College, instruction is imparted in crop husbandry, agricultural botany, agricultural chemistry, plant pathology, horticultural entomology, agricultural economics, etc. College of Agriculture, Banaras conducts research in plant physiology, mycology and plant pathology, agronomy and agricultural economics. The College supplies improved seeds and plant materials to farmers and other state organisations carrying out extension work in districts. Survey of local pests and diseases is undertaken.

Allahabad Agricultural Research Institute concentrates on cattle breeding, improvement of agricultural implements, varietal tests of crops, composition of milk etc.

Sheila Dhar Institute of Soil Science, Allahabad interests itself in research in all branches of agricultural chemistry and biochemistry.

(c) In Madhya Pradesh, the Institute of Plant Industry, Indore conducts research on breeding and improved variety of cotton, jawar, groundnut, wheat, linseed and gram.

(d) Agricultural College at Bapatla in Madras conducts research in agronomy of crops, pests and disease control and residual toxicity of pesticides. Soil surveys are conducted for locating plant and food deficiencies.

(e) Agricultural College, Hebbal, Bangalore, carries on studies on weeds, phenological data, ecological affinities, seed production and dissemination and vegetative reproduction of some of the weeds. A study of fodder grasses is in progress with a view to introducing on a large scale indigenous species that can withstand local conditions. Attempts are also made to introduce economic and medicinal plants on a large scale.

(f) Dharwar Agricultural College carries out research on problems pertaining to different aspects of agriculture.

(g) Horticulture Research Station, Sabour, Bihar, conducts research on acclimatization, cultural, propagational, manual, alternate bearing problems in mango and other fruits as well as food processing of fruits and vegetables.

#### **COMMODITY RESEARCH ORGANISATIONS**

(a) **Indian Central Cotton Committee, Bombay**, has established a technological laboratory which concerns itself with determination of fundamental fibre properties and spinning qualities of Indian cottons and their interrelationship. The effects of different agronomical practices, production of yarns, pre-cleaning and ginning of cottons, utilization of cotton wastes, etc. and effects of remedial measures for insect and micro-organisational contacts on cotton and cotton textiles fall within its scope.

(b) **Indian Central Oilseeds Committee New Delhi**, promotes research on oilseeds crops and technological research in oilseeds and oils by subsidising research schemes in various departments and technical institutes. Multiplication and distribution of improved seeds by state governments is subsidised.

(c) **Indian Central Jute Committee, Calcutta**, sponsors research on jute and allied long fibres. Data obtained from day to day scientific experiments on properties and uses of jute is published.

(d) **Indian Jute Mills Association Laboratory, Calcutta**, is responsible for investigations in jute technology including improvements in spinning jute fibres and weaving of jute fabrics and their processing.

(e) **Indian Central Coconut Committee**, maintains two Coconut Research Stations at Kasaragod and Kayangulam which concern themselves with increasing production of coconuts, investigations on pests and diseases of coconut plants, evolution of new varieties and species by selective and controlled hybridisation. Botanical studies including anatomy, embryology and cytological aspects, phenomena of button and nut shredding and utilisation of coconut are also undertaken.

(f) **Indian Central Sugarcane Committee, New Delhi**, is responsible for improvement and development of the growing, breeding and marketing of sugarcane and development of gur and khand-sari industry in India and all matters incidental thereto, including agricultural research on sugarcane, production, distribution, testing and propagation of improved varieties of cane, collection of relevant statistics, recommendations relating to credit, transport facilities, transport routes and other allied matters.

(g) **Sugarcane Breeding Institute, Coimbatore**, undertakes research on breeding of improved varieties of sub-tropical and tropical regions, botanical and cytogenetical studies on sugarcane and allied genera, physiology of flowering sugarcane and chemical studies on sugarcane.

(h) **Indian Tea Association Research Station, Tocklai, Assam**, is concerned with improvement in the cultivation and processing of tea.

(i) **Indian Central Tobacco Committee**, maintains research institutes at Rajamundri, Pusa, Anand, etc. for research on agronomical, chemical, plant breeding,

pathological and entomological studies on different types of tobacco, their curing and processing. Central Tobacco Research Institute, Rajamundri has a cigarette tobacco research station at Kantoor and a research station for cheroot, chewing and wrapper tobacco at Wadasardham. A research station for huka and chewing tobacco is maintained at Pusa. Bidi research is sponsored at Anand. A research station is also maintained at Nahata, West Bengal for research on Motihari, Jati and wrapper tobacco.

(j) **Indian Central Arecanut Committee** Kozhikode, has three regional research stations in Mysore, Madras and Travancore. A central research station for study of fundamental as well as technological aspects of arecanut cultivation is under consideration.

(k) **Indian Lac Cess Committee**, sponsors research on all aspects of lac through Indian Lac Research Institute, Ranchi. The scope of work including lac insect, lac host, chemical, physio-chemical and electrical properties including constitution of lac and discovery of new uses for lac

(l) **Central Silk Board**, promotes the development of the raw silk industry and for that purpose it undertakes and encourages scientific, technological and economic research relating to silk. It devises and suggests means for improved methods of mulberry cultivation, rearing, developing and distributing healthy silk worm seeds, reeling of silk worm cocons, improving the quality and production of raw silk. It also supplies technical information to filature and charkha reelers and looks after improvement of marketing facilities for raw silk. A number of sericultural research stations are maintained by the Board and state governments at Berhampur (Bengal), Kollegal (Madras), Mysore and Channapatna.

They are interested in mulberry silk worm and rearing of silk worms.

(m) **Indian Rubber Board, Kottayam, Travancore**, promotes the development of rubber industry with regard to production and marketing and is responsible for undertaking, assisting and encouraging scientific, technological and economic research on rubber. It trains students in improved methods of planting, cultivation, manuring and spraying of rubber plantations.

(n) **Indian Coffee Board** looks after the development of coffee marketing, and fundamental and applied research relating to coffee. It maintains a research department which co-ordinates, initiates and encourages economic research in various fields of coffee plantation and development. The Coffee Experimental Station, Balehonnur, Mysore serves as nucleus for all research activities while regional stations in coffee growing areas tackle problems of local and regional interest.

#### **INFORMATION AND EXTENSION**

The transmission of laboratory results to primary producers is a difficult problem and the urgency of tackling it is being increasingly appreciated. Obviously the availability of results to technical people is not of much use in their practical application and only a programme of rural development can be instrumental in leading to their utilisation for increased agricultural production. This is now being attempted through community development projects and training centres. Extension wings at a number of centres have been brought into operation and a national Extension Service to integrate various development projects in rural areas has been formed. It is hoped that these and other steps will be helpful in raising the standards of agricultural production and assist India in meeting good her deficiencies.

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